

QUELLE

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003.250.8

MODEL

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SERVICE MANUAL

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# KV-27EXD/27EXTD

## RM-635

## SERVICE MANUAL

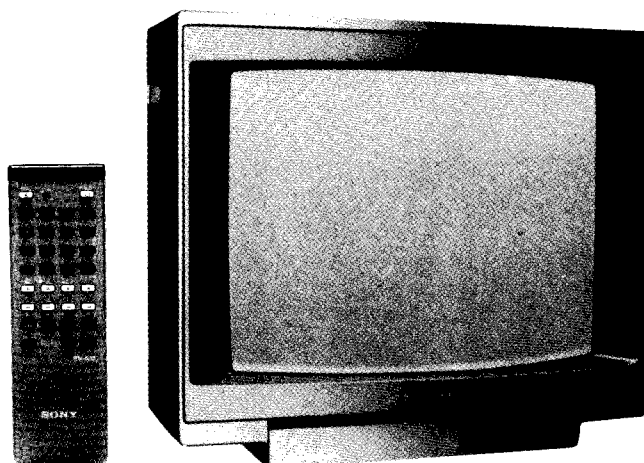
*AEP Model*

*KV-27EXD*

*Chassis No. SCC-774A-A*

*KV-27EXTD*

*Chassis No. SCC774C-A*



June, 1986

# RX-2 CHASSIS

### SPECIFICATIONS

<b>Television system:</b>	CCIR TV standards (system B, G and H)
<b>Color system:</b>	PAL/SECAM
<b>STEREO system:</b>	Two-carrier system
<b>Channel coverage:</b>	VHF channels E2-S20 UHF channels E21-E68
<b>Programing system:</b>	30 programs Automatic programing digital tuning
<b>Picture tube:</b>	Approx. 68 cm (27 inches), approx. 64 cm screen measured diagonally 114-degree deflection Trinitron system
<b>Antenna:</b>	75-ohm standard antenna socket (DIN 45325/IEC 169-2)
<b>Audio output:</b>	20 W + 20 W (16 $\Omega$ , Music power) 30 W + 30 W (8 $\Omega$ , Music power)
<b>Input:</b>	21-pin connector in accordance with the requirements of CENELEC standard
<b>Outputs:</b>	Audio output connector (5-pin DIN) Recording output: 1 mVrms/kilohm Line output: variable, 0-2 Vrms (max.) impedance less than 1 kilohm External speaker terminals (2-pin DIN) For 8-16 ohm speakers Headphones socket for 32-ohm impedance headphones
<b>Power requirements:</b>	220-240 V ac, 50 Hz
<b>Power consumptions:</b>	120Wh
<b>Dimensions:</b>	Approx. 668 x 581 x 474 mm (w/h/d)
<b>Weight:</b>	Approx. 50.0 kg
<b>Accessories supplied:</b>	Remote Commander RM-635 (1)
<b>Optional accessories:</b>	SS-27EXH/SS-27EXV speaker system OPK-303, teletext adaptor (KV-27EXD ONLY)

#### Remote control system

Infrared control

Power requirements 3 V dc

2 batteries IEC designation R03 (size AAA)

Dimensions Approx. 54 x 16 x 165 mm (w/h/d)

Weight Approx. 100 g  
incl. batteries

Accessories supplied IEC designation R03 battery (2)

Design and specifications are subject to change without notice.

Design and specifications subject to change without notice.

TRINITRON® COLOR TV  
**SONY®**


CTV



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**SAFETY-RELATED COMPONENT WARNING !!**

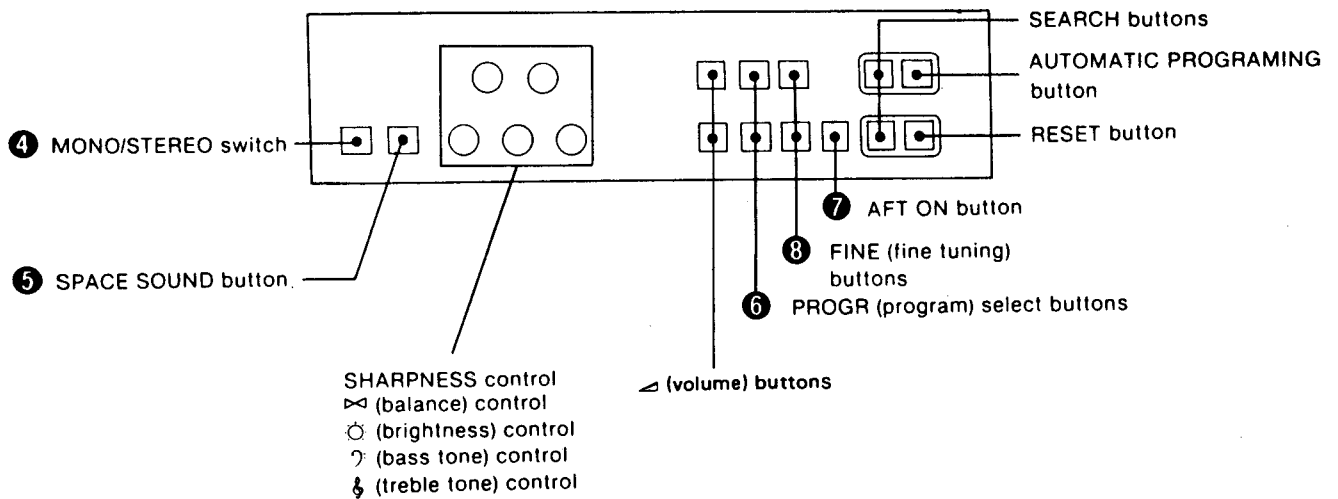
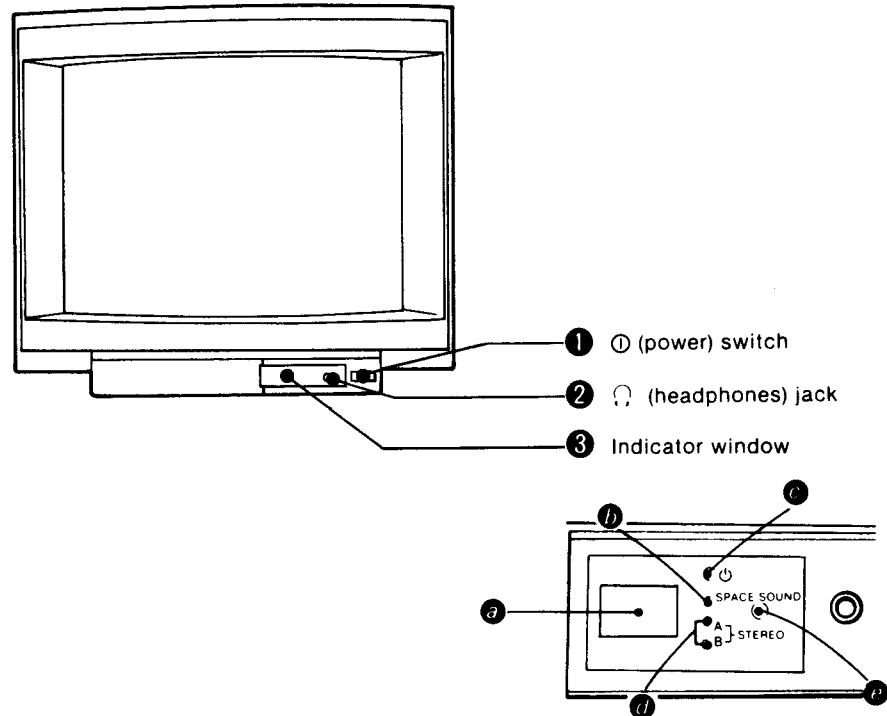
COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.



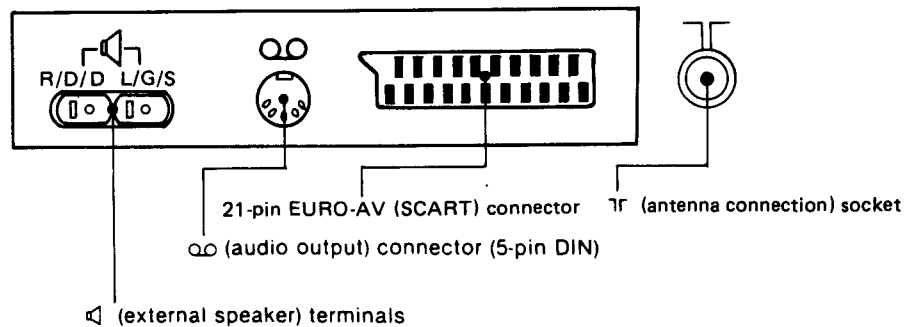
# SECTION 1 GENERAL

## 1-1. LOCATION AND FUNCTION OF CONTROLS

On the front panel



Rear panel





**1 ① (power) switch**

Press to turn the TV on. Press again to turn the power off.

**2 ② (headphones) jack**

Connect stereo headphones here. Speaker sound will be disconnected. If your stereo headphones have a stereo miniplug, use an optional plug adaptor. To hear the sound from the speakers, disconnect the headphones.

**3 Indicator window**

**a Program indicator**

**b SPACE SOUND indicator**

**c ③ (standby) indicator**

Lights up when the TV is turned off with the Remote Commander. When any of the buttons on the Remote Commander is pressed, this lamp blinks.

**d Zweiton/STEREO indicators**

When a dual-sound program is received, A or B lights up.

When a stereo program is received, both indicators light up.

**e Remote control detector**

Point the infrared transmitter of the supplied Remote Commander here.

**4 MONO/STEREO switch**

Normally set this switch to the depressed STEREO position.

Stereo programs can be received. If a stereo program has too much noise, press and release this switch (MONO position). The noise will be reduced, although the stereo feature will be lost.

**5 SPACE SOUND button**

Press to get special acoustic effects (for example, more presence). The SPACE SOUND indicator will illuminate. To disengage, press it again.

**6 PROGR (program) select buttons**

Press either + or – to select a preset program (from positions 1 through 30). Press + for higher numbered programs, and – for lower numbered programs. Programs will be changed continuously in sequence. The selected program number will appear on the program indicator.

**7 AFT (automatic fine tuning) ON button**

When the AFT circuit activates, the indicator illuminates.

Press the AFT ON button to restore the AFT on the channel which has been fine-tuned manually with the FINE buttons. After the automatic programming is finished, or after a station is tuned and memorized in the manual programming system, the AFT circuit will automatically reactivate.

**8 FINE (fine tuning) buttons**

Keep either + or – depressed to get a clear picture for each unsatisfactory channel. The AFT circuit will be automatically deactivated.



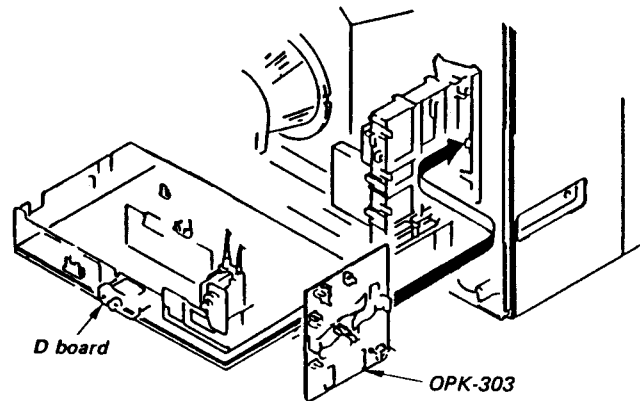
## SECTION 2

### OPK-303 ATTACHING

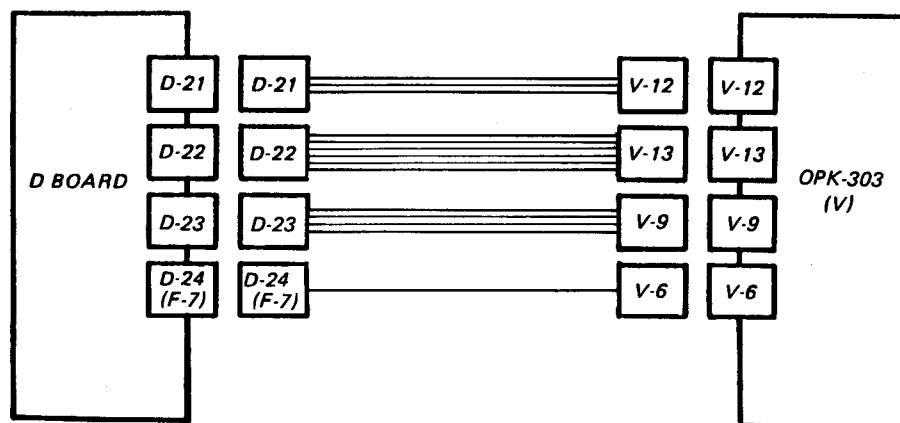
(KV-27EXD ONLY)

Before installing the adaptor, unplug the set from the wall outlet.

1. Unscrew and remove the rear panel.
2. Unfasten the screws and pull out the main D board.
3. Attach the OPK-303 (V board) on the set in the reserved position using the holder or sash provided.



4. Connect to the reserve terminals as the connector.  
Connected terminals are coloured red. (except D-24)



5. 6.0MHz ADJUSTMENT
  - 5-1. Connect a 100 $\mu$ F 16V chemical capacitor between pin (27) of IC001 and ground.
  - 5-2. Connect frequency counter across pin (17) of IC001 and ground.
  - 5-3. Adjust CT001 for 6.0MHz  $\pm$  2.0kHz out the frequency counter.
  - 5-4. Reconnect a chemical capacitor from IC001.
6. Attach the rear panel.



## SECTION 3

### SET-UP ADJUSTMENTS

The following adjustments should be made when a complete realignment is required or a new picture tube is installed. These adjustments should be performed with rated power supply voltage unless otherwise noted.

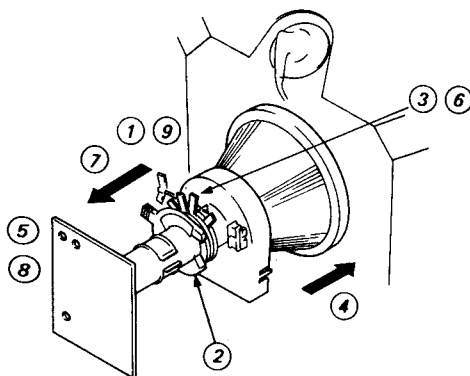
Controls and switch should be set as follows unless otherwise noted:

- (picture) button . . . . . 80% (or normal by commander.)  
(Press ● + button)
- ☀ (brightness) control . . . . . CENTER CLICK  
Position

#### 3-1. BEAM LANDING

Preparation:

- Feed in the white pattern.
  - Before starting, degauss the entire screen.
1. Loosen deflection yoke screw.
  2. Position neck ass'y as shown in Fig. 3-1.
  3. Adjust purity control as shown in Fig. 3-2.
  4. Slide deflection yoke as far forward as it will go.
  5. Turn the raster signal of the pattern generator to red.
  6. Adjust purity control to center vertical red band as shown in Fig. 3-3.
  7. Slide deflection yoke back for a uniform red screen.
  8. Check green and blue rasters for uniformity by performing the same way as steps 5, 6 and 7.
  9. Tighten the deflection yoke screw.
  10. Check if mislanding appears at corners a - d as shown in Fig. 3-4. If mislanding is observed, correct it as shown in Fig. 3-4.
  11. Confirm that beam landing is correct when the receiver is faced in all directions.



Note: The circled numbers (1 - 9) show above steps.

Perform the adjustments in order as follows:

1. Beam Landing
2. Convergence
3. G2 and White Balance
4. Focus (RV902)
5. V. CENT Adjustment

**Note:** Test Equipment Required.  
1. Color-bar/Pattern Generator  
2. Degausser

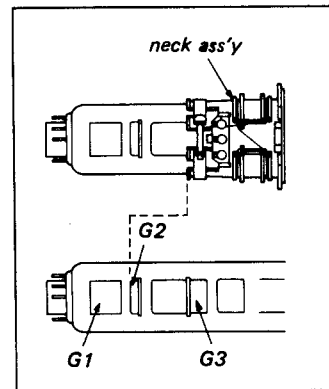


Fig. 3-1

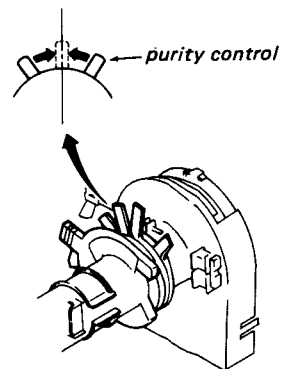


Fig. 3-2

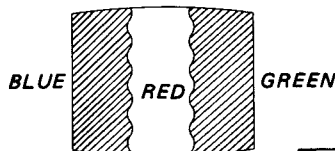


Fig. 3-3

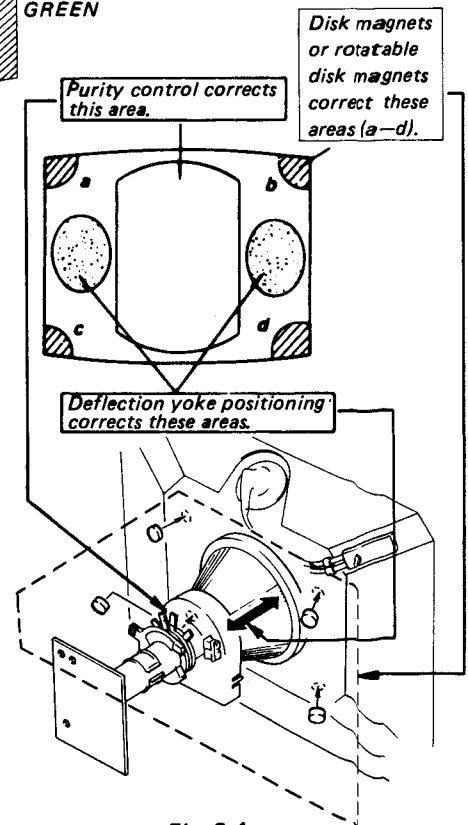


Fig. 3-4



**3-2. CONVERGENCE****Preparation:**

- Before starting this adjustment, perform FOCUS, H. SIZE and V. SIZE adjustments.
- Turn BRIGHTNESS control fully counterclockwise.
- Feed in a dot signal.

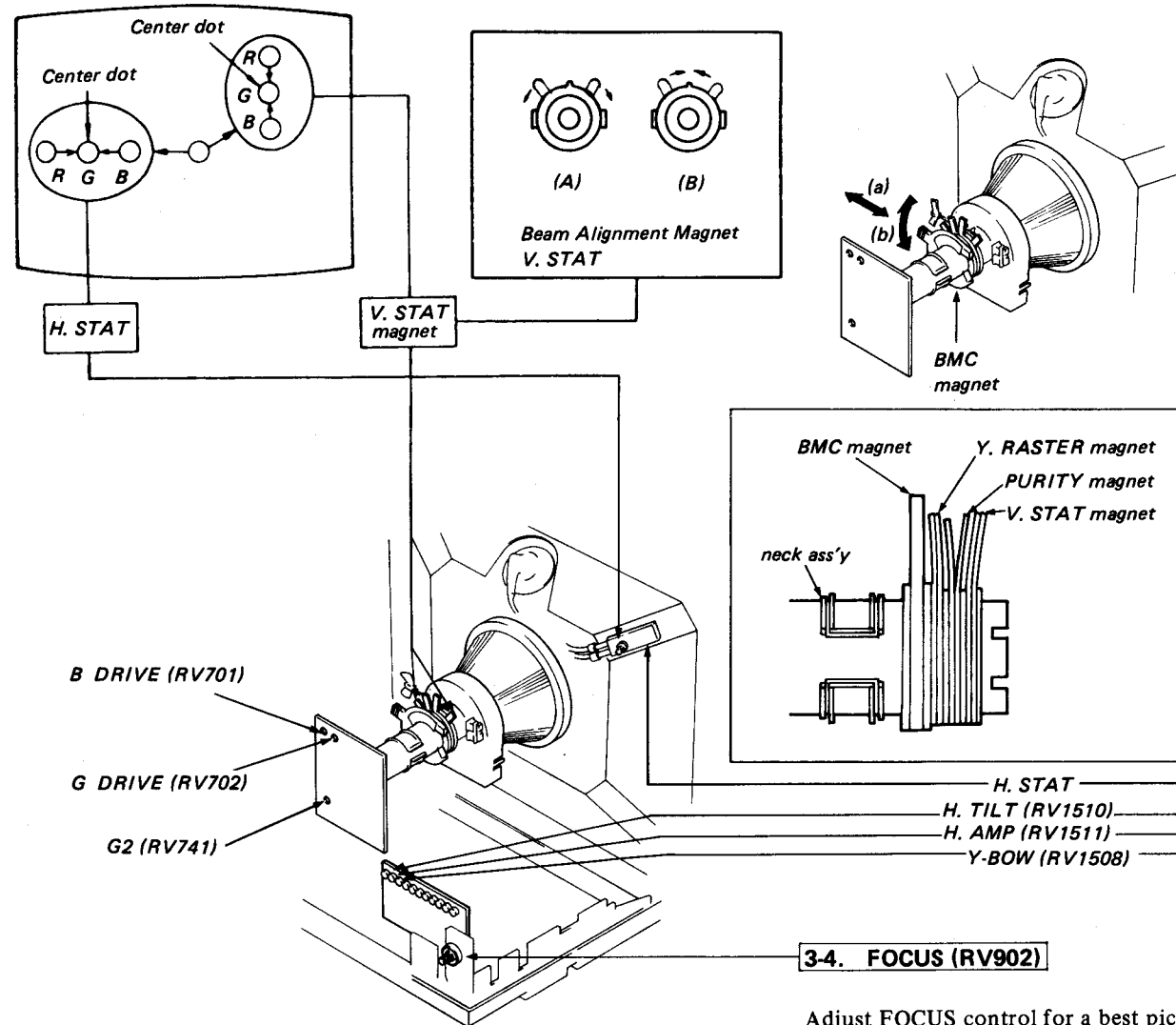
**(1) Horizontal and Vertical Static Convergence**

If blue dot does not coincide with red and green dots, perform following steps.

Move BMC magnet (a) to correct insufficient H. static convergence.

Rotate BMC magnet (b) to correct insufficient V. static convergence.

In either case, repeat Beam Landing Adjustment.

**3-4. FOCUS (RV902)**

Adjust FOCUS control for a best picture.

**3-3. G2 and WHITE BALANCE****(1) G2 ADJ.**

1. Feed in a dot signal.
2. Set PIC CONTROL, BRT VR's to minimum.
3. Connect external power supply 170V DC to R, G, B cathode.
4. Adjust RV741 (G2) to the point where retrace glows faintly.

**(2) W/B ADJ.**

1. Feed in a color bar.
2. Set: PIC, BRT: MAX  
COL : MIN
3. Adjust B, G DRIVE VR's to get white balance.
4. Set: PIC, COL: MIN  
BRT : CENTER

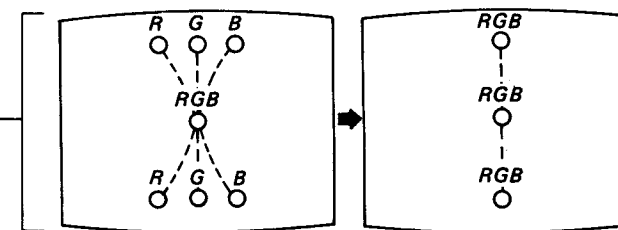
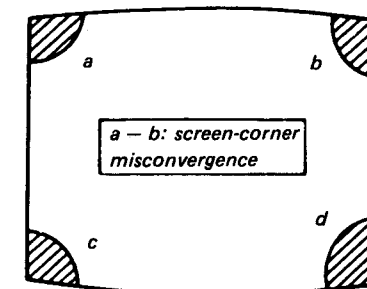
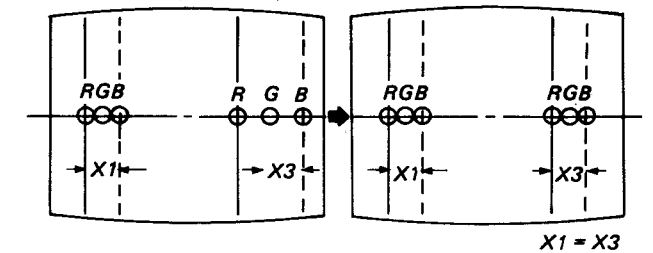
Adjust SUB BRT (RV302) to the point where the arrow indicates.

**(2) Dynamic Convergence**

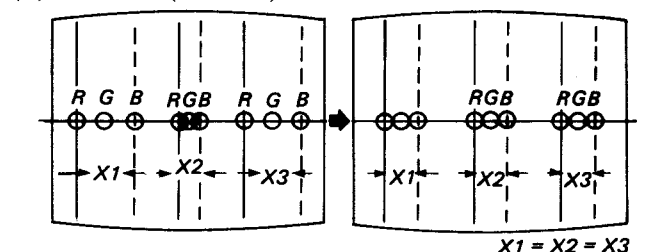
[Misconvergence at Both Sides of Screen.]

1. Set RV1511 and RV1510 to mechanical center.
2. Adjust H. STAT control so that green and blue dots coincide at center of screen.
3. Adjust RV1510 so that X1 is equal to X3.
4. Adjust RV1511 so that X2 is equal to X3.
5. Repeat above Steps 1 through 4 two or three times.

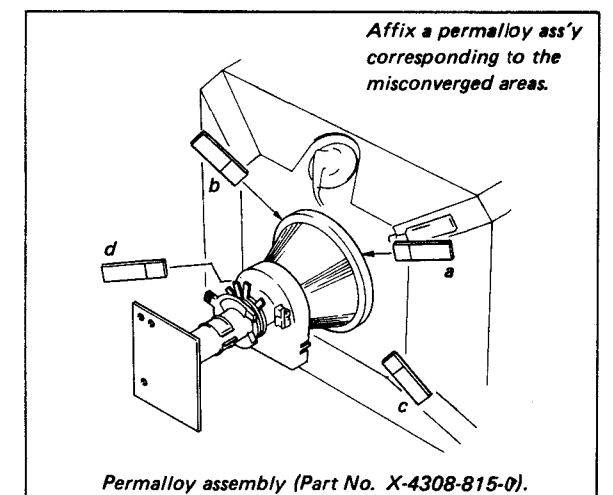
[Top and Bottom Misconvergence]

**(A) Y. BOW (RV1508)****(D) Screen-corner Convergence****(B) H. TILT (RV1510)**

X1 = X3

**(C) H. AMP (RV1511)**

X1 = X2 = X3

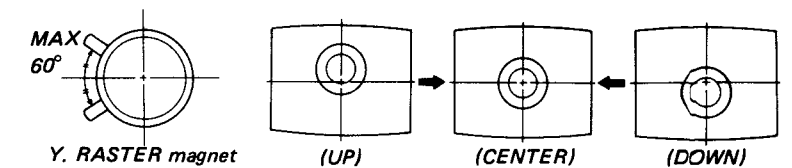


Permalloy assembly (Part No. X-4308-815-0).

**3-5. V. CENT ADJUSTMENT**

1. Before starting, perform H. SIZE, V. SIZE, V. LINE VR at center position.
2. Receive monoscope signal.
3. Adjust Y. RASTER magnet so that monoscope pattern is positioned at the center of screen.

**Note:** The opening angle of Y. RASTER magnet should be within 60°.

**SIMPLE ADJUSTMENT METHOD**

1. Receive an air signal.
2. Set PIC, BRT, COL to MAX.
3. Set B, G DRIVE VR's to mechanical center.
4. Turn G2 VR fully to the left and right and adjust to the center of the range over which color does not change.



SECTION 4  
EXPLODED VIEWS

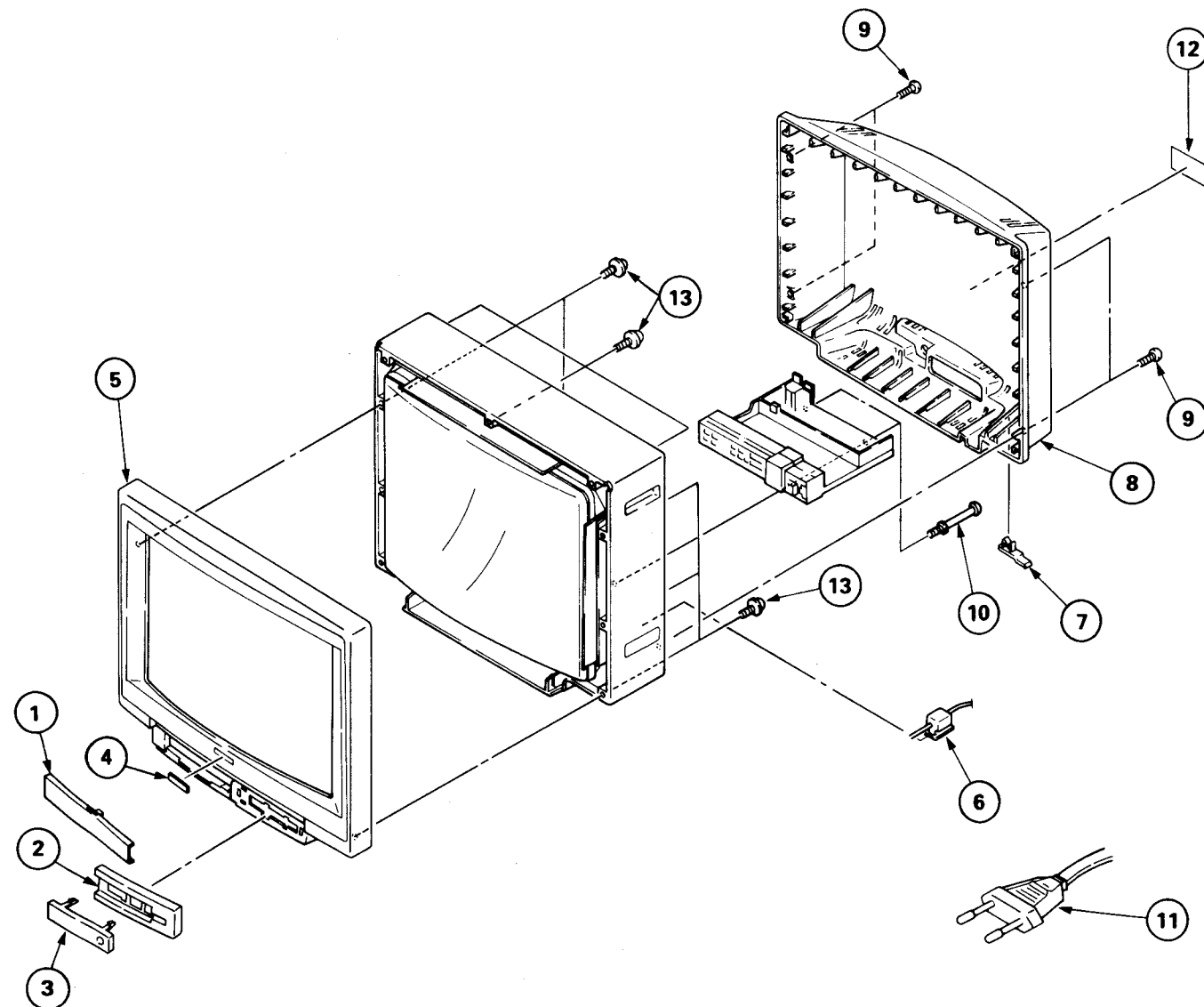
## NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

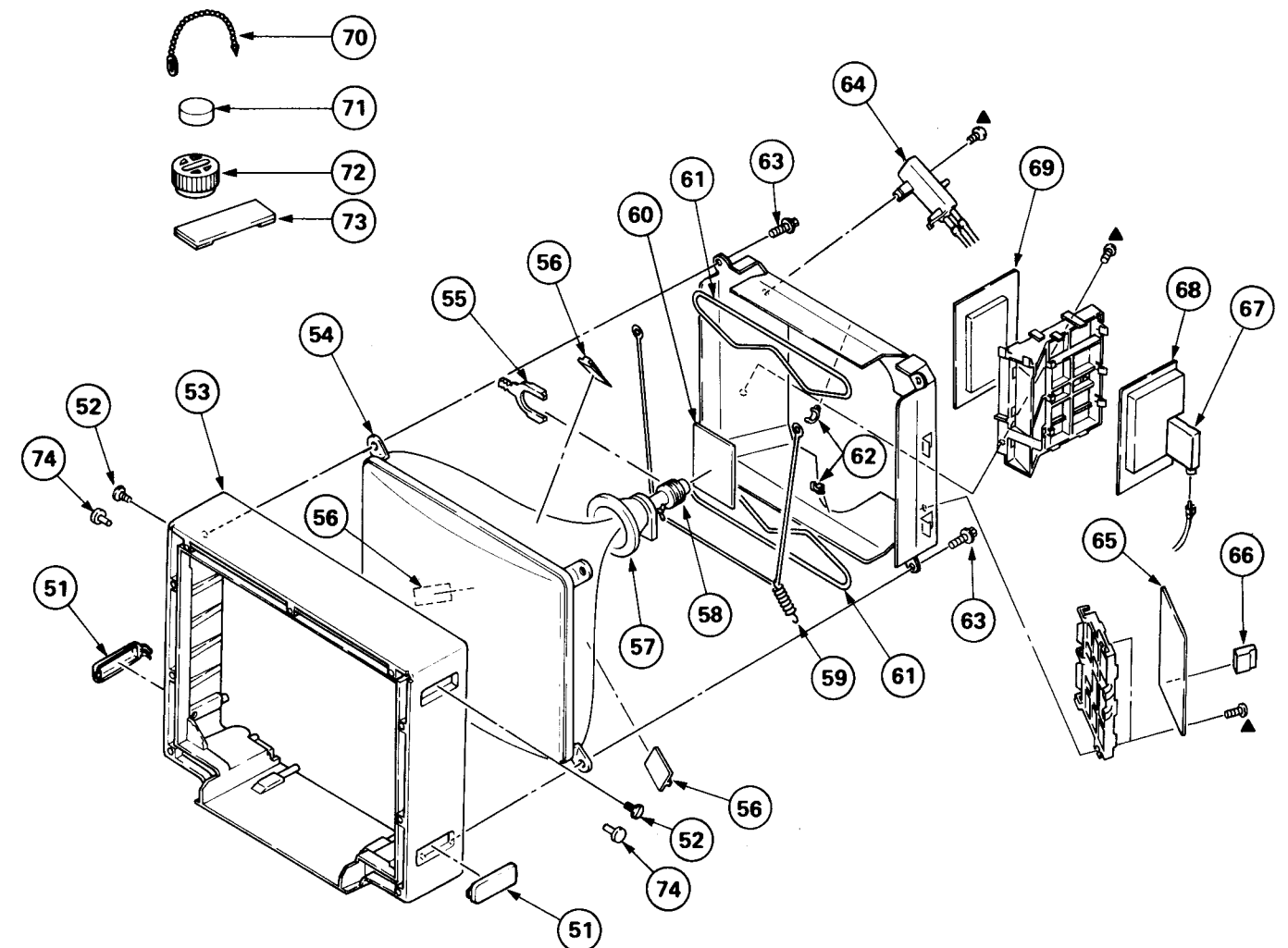
The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

## 4-1. BEZEL



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	X-4374-143-1	DOOR ASSY (GRAY)		7	4-329-127-00	CLAMP, CORD	
	X-4374-143-2	DOOR ASSY (LIGHT GRAY)		8	4-361-927-11	COVER, BACK (LIGHT GRAY)	
2	4-374-498-01	COVER, ORNAMENTAL (GRAY)			4-361-927-21	COVER, BACK (GRAY)	
	4-374-498-11	COVER, ORNAMENTAL (LIGHT GRAY)		9	4-365-513-00	SCREW (4X16), TAPPING, SPECIAL	
3	4-374-496-01	WINDOW, ORNAMENTAL		10	4-363-671-00	SCREW (DIA.4), SPECIAL	
4	4-374-115-01	EMBLEM, SONY		11	$\Delta$ 1-551-270-11	CORD, POWER	
5	X-4374-144-1	BEZEL ASSY (GRAY)	4	12	*4-381-104-01	LABEL, COMBINATION	
	X-4374-144-2	BEZEL ASSY (LIGHT GRAY)	4	13	4-309-749-00	SCREW, TAPPING, +PW4X20	
6	$\Delta$ 4-022-115-01	HOLDER, AC CORD					

## 4-2. CABINET

 $\Delta$ : TA,BV4x12 7-685-661-14

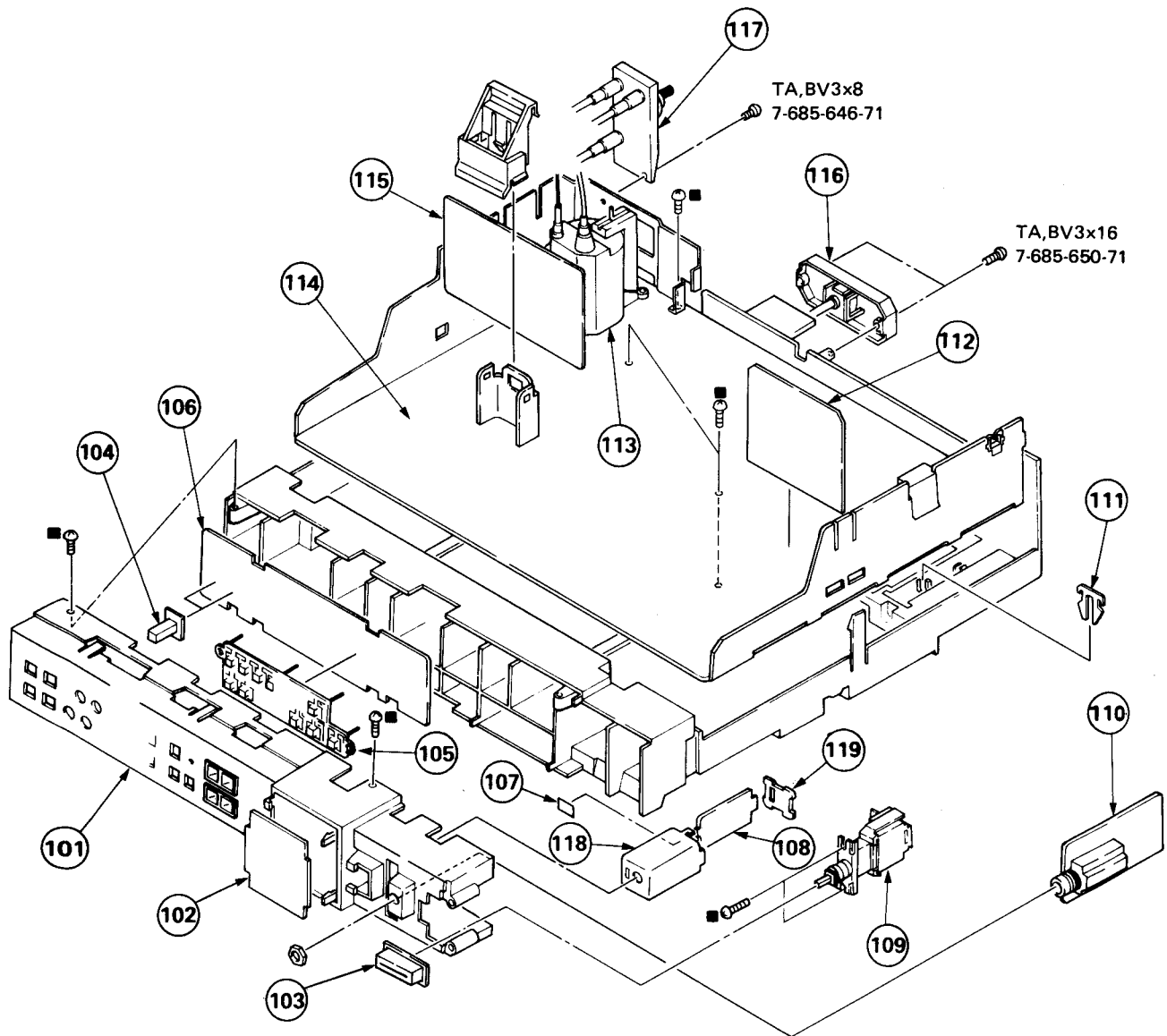
No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
51	4-361-907-31	PLATE, ORNAMENTAL, CABINET (GRAY)		61	$\Delta$ 1-426-278-11	COIL, DEMAGNETIZATION	
	(KV-27EXD ONLY)			62	*4-371-629-01	STOPPER, WIRE	
	4-361-907-41	PLATE, ORNAMENTAL, CABINET (LIGHT GRAY)		63	4-374-494-01	SCREW, SPECIAL	
	(KV-27EXD ONLY)			64	$\Delta$ 1-228-544-11	RESISTOR ASSY, HIGH-VOLTAGE	
52	4-364-870-11	SCREW, ORNAMENTAL (GRAY)		65	*A-1245-313-A	F BOARD, SUB COMPLETE	
	(KV-27EXD ONLY)			66	*4-375-709-01	COVER, FUSE	
	4-364-870-21	SCREW, ORNAMENTAL (LIGHT GRAY)		67	$\Delta$ 1-463-577-11	TUNER, ET (BT-883A)	
	(KV-27EXD ONLY)			68	*A-1296-108-A	A BOARD, SUB COMPLETE	
53	X-4374-145-1	CABINET ASSY (GRAY)		69	*A-1325-025-A	V BOARD COMPLETE (KV-27EXTD ONLY)	
	X-4374-145-2	CABINET ASSY (LIGHT GRAY)		70	4-308-870-00	CLIP, LEAD WIRE	
54	$\Delta$ 8-736-653-05	CRT (A64JKJ60X)		71	1-452-032-00	MAGNET, DISK; 10MM $\phi$	
55	1-452-146-21	MAGNET, BMC		72	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM $\phi$	
56	3-703-003-00	SPACER, DY		73	X-4308-815-0	PERMALLOY ASSY, CONVERGENCE	
57	$\Delta$ 1-451-255-31	DEFLECTION YOKE (SY-164)		74	4-381-153-01	CAP, ORNAMENTAL (GRAY)	
58	$\Delta$ 1-452-391-21	NECK ASSY, CRT (NA305)			(KV-27EXTD ONLY)		
59	4-303-774-XX	SPRING			4-381-153-11	CAP, ORNAMENTAL (LIGHT GRAY)	
60	*A-1330-712-A	C BOARD, COMPLETE			(KV-27EXTD ONLY)		

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.



### 4.3. CHASSIS

■: TA,BV3x12 7-685-648-71



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
101	4-363-677-00	PANEL, CONTROL		110	*1-618-883-11	J1 BOARD	
102	*1-613-720-22	H2 BOARD		111	*4-369-712-01	STOPPER	
103	4-374-495-01	BUTTON, POWER		112	*A-1135-316-A	SCM BOARD, COMPLETE	
104	4-361-938-00	PUSH BUTTON (A)		113	△.1-439-332-42	TRANSFORMER ASSY, FLYBACK	
105	4-363-675-00	BUTTON, MULTI		114	*A-1345-618-A	D BOARD, SUB COMPLETE	
106	*1-613-719-22	H1 BOARD		115	*A-1340-817-A	D1 BOARD, COMPLETE	
107	*4-333-624-00	FILM (N), SPECIAL		116	△.1-536-817-31	TERMINAL BOARD ASSY, ANTENNA	
108	*1-611-717-11	N BOARD		117	△.1-237-280-11	RESISTOR ASSY, HIGH-VOLTAGE	
109	△.1-554-762-21	SWITCH, PUSH (AC POWER)(1 KEY)		118	*4-342-117-00	CASE, SHIELD (MAIN), R	
				119	*4-342-118-00	LID, SHIELD CASE, R	

The components identified by shading and mark △ are critical for safety. Replace only with part number specified.



**SCM****F**

## SECTION 5 ELECTRICAL PARTS LIST

NOTE:

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

• Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

CAPACITORS  
• MF :  $\mu$ F, PF :  $\mu$ F

RESISTORS  
• All resistors are in ohms  
• F : nonflammable

COILS  
• MMH : mH, UH :  $\mu$ H

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
	*A-1135-316-A	SCM BOARD, COMPLETE *****		Q1359	8-729-178-54	TRANSISTOR 2SC2785	
	*1-562-370-21	CONNECTOR, BOARD TO BOARD 18P		Q1360	8-729-178-54	TRANSISTOR 2SC2785	
		<u>CAPACITOR</u>				<u>RESISTOR</u>	
C1351	1-104-069-00	POLYSTYRENE 470PF	5% 50V	R1351	1-215-738-91	METAL 1K 5% 1/6W	
C1352	1-101-880-00	CERAMIC 47PF	5% 50V	R1352	1-215-802-91	METAL 470K 5% 1/6W	
C1353	1-110-192-81	MYLAR 0.015MF	10% 400V	R1353	1-215-778-91	METAL 47K 5% 1/6W	
C1354	1-123-369-00	ELECT 4.7MF	20% 25V	R1354	1-215-706-91	METAL 47 5% 1/6W	
C1355	1-102-074-00	CERAMIC 0.001MF	10% 50V	R1355	1-215-750-91	METAL 3.3K 5% 1/6W	
C1356	1-123-380-00	ELECT 1MF	20% 50V	R1356	1-215-756-91	METAL 5.6K 5% 1/6W	
C1357	1-102-074-00	CERAMIC 0.001MF	10% 50V	R1357	1-215-748-91	METAL 2.7K 5% 1/6W	
C1358	1-110-182-81	MYLAR 0.022MF	10% 250V	R1361	1-215-798-91	METAL 330K 5% 1/6W	
C1359	1-101-004-00	CERAMIC 0.01MF	50V	R1364	1-215-746-91	METAL 2.2K 5% 1/6W	
C1360	1-101-004-00	CERAMIC 0.01MF	50V	R1365	1-215-762-91	METAL 10K 5% 1/6W	
C1361	1-123-332-00	ELECT 47MF	20% 16V	R1367	1-215-778-91	METAL 47K 5% 1/6W	
C1362	1-102-953-00	CERAMIC 18PF	5% 50V	R1368	1-215-738-91	METAL 1K 5% 1/6W	
C1363	1-102-953-00	CERAMIC 18PF	5% 50V	R1371	1-215-774-91	METAL 33K 5% 1/6W	
C1364	1-102-074-00	CERAMIC 0.001MF	10% 50V	R1372	1-215-716-91	METAL 120 5% 1/6W	
C1366	1-101-006-00	CERAMIC 0.047MF	50V	R1373	1-215-738-91	METAL 1K 5% 1/6W	
C1367	1-123-356-00	ELECT 10MF	20% 16V	R1374	1-215-746-91	METAL 2.2K 5% 1/6W	
C1368	1-102-965-00	CERAMIC 39PF	5% 50V	R1375	1-215-720-91	METAL 180 5% 1/6W	
C1369	1-102-824-21	CERAMIC 470PF	5% 50V	R1380	1-215-770-91	METAL 22K 5% 1/6W	
C1370	1-110-175-81	MYLAR 0.1MF	10% 100V	R1382	1-215-158-00	METAL 1.8K 5% 1/4W	
C1371	1-110-175-81	MYLAR 0.1MF	10% 100V	R1383	1-215-746-91	METAL 2.2K 5% 1/6W	
C1372	1-102-736-00	CERAMIC 150PF	5% 50V	R1384	1-215-752-91	METAL 3.9K 5% 1/6W	
C1373	1-101-004-00	CERAMIC 0.01MF	50V	R1385	1-215-738-91	METAL 1K 5% 1/6W	
C1374	1-123-356-00	ELECT 10MF	20% 16V	R1386	1-215-738-91	METAL 1K 5% 1/6W	
C1375	1-123-318-00	ELECT 33MF	20% 16V	R1387	1-215-200-00	METAL 100K 5% 1/4W	
C1376	1-161-317-00	CERAMIC 330PF	10% 50V	R1388	1-215-786-91	METAL 100K 5% 1/6W	
C1378	1-110-182-81	MYLAR 0.022MF	10% 250V	R1389	1-215-734-91	METAL 680 5% 1/6W	
		<u>DIODE</u>		R1390	1-215-734-91	METAL 680 5% 1/6W	
D1351	8-719-026-11	DIODE 1T261				<u>VARIABLE RESISTOR</u>	
		<u>IC</u>		RV1351	1-230-522-11	RES, ADJ, METAL GLAZE 4.7K	
IC1351	8-759-922-68	IC TDA3590A-N8				*****	
		<u>COIL</u>			*A-1245-313-A	F BOARD, SUB COMPLETE *****	
L1351	1-404-497-00	COIL				<u>CAPACITOR</u>	
L1352	1-404-496-00	COIL		C601	A.1-108-745-62	MYLAR 0.22MF 20% 300V	
L1353	1-408-602-21	MICRO INDUCTOR 8.2UH		C602	A.1-108-745-62	MYLAR 0.22MF 20% 300V	
L1354	1-404-498-00	COIL		C603	A.1-162-578-51	CERAMIC 0.0047MF 20% 400V	
		<u>TRANSISTOR</u>		C604	A.1-162-578-51	CERAMIC 0.0047MF 20% 400V	
Q1351	8-729-178-54	TRANSISTOR 2SC2785		C605	A.1-162-578-51	CERAMIC 0.0047MF 20% 400V	
Q1352	8-729-117-54	TRANSISTOR 2SA1175		C606	A.1-162-578-51	CERAMIC 0.0047MF 20% 400V	
Q1354	8-729-178-54	TRANSISTOR 2SC2785		C607	A.1-161-964-61	CERAMIC 0.0047MF 250V	
Q1356	8-729-117-54	TRANSISTOR 2SA1175		C608	A.1-161-964-61	CERAMIC 0.0047MF 250V	
Q1357	8-729-178-54	TRANSISTOR 2SC2785		C609	A.1-161-964-61	CERAMIC 0.0047MF 250V	
				C610	1-125-318-00	ELECT(BLOCK) 220MF 20% 400V	
				C611	1-110-175-81	MYLAR 0.1MF 10% 100V	
				C612	1-130-022-00	FILM 0.0022MF 5% 50V	



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C613	1-123-356-00	ELECT 10MF 20%	16V	D656	8-719-924-06	ERC24-06S	
C614	1-123-369-00	ELECT 4.7MF 20%	25V	D657	8-719-924-06	ERC24-06S	
C615	1-102-106-00	CERAMIC 100PF 10%	50V	D658	8-719-102-74	DIODE RD6.2E-N2	
C616	1-123-369-00	ELECT 4.7MF 20%	25V	D659	8-719-102-79	DIODE RD6.8E-N3	
C617	1-110-186-81	MYLAR 0.0047MF 10%	400V	D660	8-719-815-55	DIODE 1S1555	
C618	1-102-030-00	CERAMIC 330PF 10%	500V	D661	8-719-815-55	DIODE 1S1555	
C619	1-110-182-81	MYLAR 0.022MF 10%	250V	D663	8-719-102-74	DIODE RD6.2E-N2	
C620	1-123-332-00	ELECT 47MF 20%	16V	D664	8-719-100-65	DIODE RD12E-B2	
C621	1-136-065-00	FILM 0.0027MF 3%	2KV				
C622	1-123-385-00	ELECT 22MF 20%	100V			CONNECTOR	
C623	1-161-973-00	CERAMIC 220PF 10%	400V	F1	*1-506-349-21	3P PLUG (L)	
C624	1-161-973-00	CERAMIC 220PF 10%	400V	F2	*1-508-765-00	3P PLUG (M)	
C625	1-123-379-00	ELECT 0.47MF 20%	50V	F3	*1-508-786-00	2P PLUG (M)	
C626	1-123-381-00	ELECT 2.2MF 20%	50V	F4	*1-508-765-00	3P PLUG (M)	
C627	1-123-380-00	ELECT 1MF 20%	50V	F6	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P	
C628	1-108-618-91	MYLAR 0.0022MF 10%	100V	F7	*1-564-883-11	PLUG, CONNECTOR 6P	
C632	1-102-002-00	CERAMIC 680PF 10%	500V			FUSE	
C633	1-108-745-62	MYLAR 0.22MF 20%	300V	F601	1-532-350-11	FUSE, TIME-LAG 4A/250V	
C634	1-110-175-81	MYLAR 0.1MF 10%	100V		1-533-149-00	HOLDER, FUSE; F601	
C651	1-102-155-00	CERAMIC 330PF 20%	2KV			IC	
C652	1-124-347-00	ELECT 100MF 20%	160V	IC601	8-759-100-75	IC UPC1394C	
C653	1-123-364-00	ELECT 1000MF 20%	50V	IC602	8-719-800-82	DIODE TL P581	
C654	1-123-606-00	ELECT 1000MF 20%	25V	IC651	8-759-145-58	IC UPC4558C	
C655	1-123-334-00	ELECT 220MF 20%	25V			COIL	
C656	1-102-038-00	CERAMIC 0.001MF 500V		L601	1-407-365-00	COIL, CHOKE	
C658	1-123-332-00	ELECT 47MF 20%	16V	L651	1-425-613-00	COIL, AIR-CORE, QF TYPE	
C659	1-102-112-00	CERAMIC 330PF 10%	50V	L652	1-459-585-11	COIL (WITH CORE) (DRUM TYPE)	
C660	1-123-356-00	ELECT 10MF 20%	50V			TRANSISTOR	
C661	1-123-333-00	ELECT 100MF 20%	16V	Q601	8-729-195-82	TRANSISTOR 2SC2958	
C662	1-110-190-81	MYLAR 0.01MF 10%	400V	Q602	8-729-301-00	TRANSISTOR 2SD1497-02	
C663	1-123-380-00	ELECT 1MF 20%	50V		4-365-216-00	SPACER, MICA; Q602	
C664	1-123-380-00	ELECT 1MF 20%	50V	*4-368-683-01	SPRING; Q602		
C666	1-123-307-00	ELECT 100MF 20%	6.3V	Q603	8-729-178-54	TRANSISTOR 2SC2785	
C667	1-102-121-00	CERAMIC 0.0022MF 10%	50V	Q604	8-729-117-54	TRANSISTOR 2SA1175	
C668	1-110-190-81	MYLAR 0.01MF 10%	400V	Q651	8-729-109-53	TRANSISTOR 2SD795A-P	
		DIODE		*4-323-833-00	HEAT SINK, PIN OUT; Q651		
D601	8-719-503-06	DIODE S3WB60Z		Q652	8-729-178-54	TRANSISTOR 2SC2785	
D602	8-719-100-65	DIODE RD12E-B2				RESISTOR	
D603	8-719-815-55	DIODE 1S1555		R601	1-217-328-11	WIREWOUND 2.7 10% 7W F	
D604	8-759-157-40	IC UPC574J		R602	1-244-945-91	CARBON 1M 5% 1/2W	
D605	8-719-924-06	DIODE ERC24-06S		R603	1-205-758-11	CEMENTED 100 10% 1W F	
D606	8-719-815-55	DIODE 1S1555		R604	1-247-289-11	CARBON 8.2M 5% 1W	
D607	8-719-815-55	DIODE 1S1555		R605	1-215-798-91	METAL 330K 5% 1/6W	
D608	8-719-815-55	DIODE 1S1555		R606	1-215-770-91	METAL 22K 5% 1/6W	
D609	8-719-305-15	DIODE GH3F		R608	1-215-746-91	METAL 2.2K 5% 1/6W	
D651	8-719-928-08	DIODE ERD28-08S		R609	1-215-871-11	METAL OXIDE 2.2K 5% 1W F	
D652	8-719-924-06	DIODE ERC24-06S		R611	1-215-776-91	METAL 39K 5% 1/6W	
D653	8-719-924-06	DIODE ERC24-06S		R612	1-215-904-51	METAL OXIDE 100K 5% 2W F	
D654	8-719-901-93	DIODE V19E					
D654A	8-719-924-06	ERC24-06S					
D655	8-719-901-93	DIODE V19E					
D655A	8-719-924-06	ERC24-06S					

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R613	1-215-872-11	METAL OXIDE	3.3K 5% 1W F	<u>THERMISTOR</u>			
R614	1-216-458-11	METAL OXIDE	1.8K 5% 2W F	TH601	1-800-944-00	THERMISTOR TH-4700	
R615	1-205-793-00	CEMENTED	30K 10% 10W	TH651	1-800-944-00	THERMISTOR TH-4700	
R616	1-215-772-91	METAL	27K 5% 1/6W	THP601A	1-806-387-11	THERMISTOR (POSITIVE)	
R621	1-215-762-91	METAL	10K 5% 1/6W	*****			
R622	1-215-770-91	METAL	22K 5% 1/6W	*1-611-717-11	N BOARD		
R623	1-215-162-00	METAL	2.7K 5% 1/4W	*****			
R624	1-215-754-91	METAL	4.7K 5% 1/6W	*4-342-117-00	CASE, SHIELD (MAIN), R		
R625	1-215-786-91	METAL	100K 5% 1/6W	*4-342-118-00	LID, SHIELD CASE, R		
R626	1-215-150-00	METAL	820 5% 1/4W	<u>CAPACITOR</u>			
R627	1-215-722-91	METAL	220 5% 1/6W	C1	1-123-611-00	ELECT 1MF	20% 50V
R628	1-215-796-91	METAL	270K 5% 1/6W	C2	1-123-613-00	ELECT 3.3MF	20% 50V
R629	1-215-758-91	METAL	6.8K 5% 1/6W	C3	1-102-112-00	CERAMIC 330PF	10% 50V
R630	1-215-112-00	METAL	22 5% 1/4W	C4	1-123-821-00	ELECT 47MF	20% 16V
R631	1-205-728-00	CEMENTED	47 10% 7W	<u>DIODE</u>			
R632	1-217-192-00	WIREWOUND	0.22 10% 2W F	D1	8-719-110-32	DIODE PH302B	
R633	1-215-798-91	METAL	330K 5% 1/6W	<u>IC</u>			
R634	1-215-800-91	METAL	390K 5% 1/6W	IC1	8-759-602-54	IC CX20106A	
R635	1-215-756-91	METAL	5.6K 5% 1/6W	<u>RESISTOR</u>			
R636	1-215-803-91	METAL	510K 5% 1/6W	R1	1-247-799-00	CARBON 47 5% 1/6W	
R637	1-215-770-91	METAL	22K 5% 1/6W	R2	1-247-775-00	CARBON 4.7 5% 1/6W	
R638	1-215-747-91	METAL	2.4K 5% 1/6W	R3	1-214-784-00	METAL 200K 1% 1/4W	
R639	1-215-754-91	METAL	4.7K 5% 1/6W	R4	1-249-433-11	CARBON 22K 5% 1/6W	
R640	1-215-200-81	METAL	100K 5% 1/4W	*****			
R641	1-215-200-81	METAL	100K 5% 1/4W	*A-1296-108-A	A BOARD, SUB COMPLETE		
R651	1-216-455-11	METAL OXIDE	560 5% 2W F	*****			
R652	1-216-430-11	METAL OXIDE	390 5% 1W F	*4-368-692-01	CASE (MAIN), SHIELD		
R653	1-215-754-91	METAL	4.7K 5% 1/6W	*4-368-693-02	CASE (UPPER LID), SHIELD		
R654	1-216-464-11	METAL OXIDE	18K 5% 2W F	*4-368-694-01	CASE (BOTTOM LID), SHIELD		
R657	1-215-698-91	METAL	22 5% 1/6W	<u>CONNECTOR</u>			
R659	1-215-865-11	METAL OXIDE	220 5% 1W F	A1	*1-564-880-31	PLUG, CONNECTOR 3P	
R660	1-216-370-11	METAL OXIDE	1.2 5% 2W F	A2	*1-560-126-00	PLUG, CONNECTOR (2.5MM) 6P	
R662	1-215-776-91	METAL	39K 5% 1/6W	A3	*1-564-889-11	PLUG, CONNECTOR 12P	
R663	1-215-764-91	METAL	12K 5% 1/6W	<u>CAPACITOR</u>			
R664	1-215-200-00	METAL	100K 5% 1/4W	C102	1-110-175-81	MYLAR 0.1MF	10% 100V
R665	1-215-753-91	METAL	4.3K 5% 1/6W	C104	1-123-356-00	ELECT 10MF	20% 16V
R666	1-215-144-00	METAL	470 5% 1/4W	C105	1-123-356-00	ELECT 10MF	20% 16V
R667	1-215-126-81	METAL	82 5% 1/4W	C106	1-123-323-00	ELECT 470MF	20% 16V
R668	1-215-778-91	METAL	47K 5% 1/6W	C107	1-123-330-00	ELECT 22MF	20% 16V
R669	1-215-166-00	METAL	3.9K 5% 1/4W	C108	1-136-163-00	FILM 0.068MF	5% 50V
R670	1-215-746-91	METAL	2.2K 5% 1/6W	C109	1-136-163-00	FILM 0.068MF	5% 50V
<u>VARIABLE RESISTOR</u>				C110	1-102-963-00	CERAMIC 33PF	5% 50V
RV651	1-228-720-00	RES, ADJ, CERAMIC CARBON 1K		C111	1-123-318-00	ELECT 33MF	20% 16V
RV652	1-230-521-11	RES, ADJ, METAL GLAZE 2.2K					
<u>TRANSFORMER</u>							
T601	1-421-758-11	TRANSFORMER, LINE FILTER (LFT)					
T602	1-421-592-11	TRANSFORMER, FERRITE					
T603	1-437-079-00	TRANSFORMER, HORIZONTAL DRIVE					
T605	1-421-733-11	SRT					

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Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
C112	1-102-530-00	CERAMIC	120PF	5%	50V	C171	1-123-318-00	ELECT	33MF	20%	16V
C113	1-102-530-00	CERAMIC	120PF	5%	50V	C172	1-123-379-00	ELECT	0.47MF	20%	50V
C114	1-102-851-00	CERAMIC	15PF	5%	50V	C173	1-123-379-00	ELECT	0.47MF	20%	50V
C115	1-102-518-00	CERAMIC	33PF	5%	50V	C174	1-110-190-81	MYLAR	0.01MF	10%	400V
C116	1-102-125-00	CERAMIC	0.0047MF	10%	50V	C175	1-110-190-81	MYLAR	0.01MF	10%	400V
C117	1-102-125-00	CERAMIC	0.0047MF	10%	50V	C176	1-123-380-00	ELECT	1MF	20%	50V
C118	1-102-125-00	CERAMIC	0.0047MF	10%	50V	C177	1-123-380-00	ELECT	1MF	20%	50V
C119	1-108-603-00	MYLAR	0.1MF	5%	50V	C179	1-123-369-00	ELECT	4.7MF	20%	25V
C120	1-102-125-00	CERAMIC	0.0047MF	10%	50V	C180	1-108-620-91	MYLAR	0.0033MF	10%	100V
C122	1-123-330-00	ELECT	22MF	20%	16V	C181	1-123-318-00	ELECT	33MF	20%	16V
C123	1-102-108-00	CERAMIC	150PF	10%	50V	C182	1-123-307-00	ELECT	100MF	20%	10V
C124	1-104-069-00	POLYSTYRENE	470PF	5%	50V	C183	1-101-361-00	CERAMIC	150PF	5%	50V
C126	1-123-318-00	ELECT	33MF	20%	16V	C184	1-102-973-00	CERAMIC	100PF	5%	50V
C127	1-102-125-00	CERAMIC	0.0047MF	10%	50V	C186	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C128	1-101-004-00	CERAMIC	0.01MF		50V	C188	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C129	1-101-004-00	CERAMIC	0.01MF		50V	C189	1-101-006-21	CERAMIC	0.047MF		50V
C130	1-102-125-00	CERAMIC	0.0047MF	10%	50V			<u>FILTER</u>			
C131	1-123-381-00	ELECT	2.2MF	20%	50V	CD151	1-404-501-00	DISCRIMINATOR, CERAMIC			
C132	1-102-125-00	CERAMIC	0.0047MF	10%	50V	CF101	1-527-840-00	FILTER, CERAMIC			
C133	1-102-125-00	CERAMIC	0.0047MF	10%	50V	CF102	1-404-134-00	TRAP, CERAMIC (5.5MHZ)			
C134	1-102-125-00	CERAMIC	0.0047MF	10%	50V	CF151	1-527-839-00	FILTER, CERAMIC			
C135	1-102-525-00	CERAMIC	68PF	5%	50V	SWF101	1-404-438-00	FILTER, SAW			
C136	1-102-525-00	CERAMIC	68PF	5%	50V			<u>DIODE</u>			
C137	1-102-125-00	CERAMIC	0.0047MF	10%	50V	D101	8-719-911-19	DIODE 1SS119			
C138	1-123-380-00	ELECT	1MF	20%	50V	D102	8-719-911-19	DIODE 1SS119			
C139	1-102-125-00	CERAMIC	0.0047MF	10%	50V	D103	8-719-102-71	DIODE RD5.6E-N2			
C140	1-102-125-00	CERAMIC	0.0047MF	10%	50V	D104	8-719-911-19	DIODE 1SS119			
C141	1-123-318-00	ELECT	33MF	20%	16V	D105	8-719-911-19	DIODE 1SS119			
C142	1-102-525-00	CERAMIC	68PF	5%	50V	D151	8-719-911-19	DIODE 1SS119			
C143	1-101-004-00	CERAMIC	0.01MF		50V	D152	8-719-911-19	DIODE 1SS119			
C144	1-123-286-00	ELECT	0.33MF	20%	50V	D153	8-719-911-19	DIODE 1SS119			
C145	1-102-961-00	CERAMIC	27PF	5%	50V	D154	8-719-911-19	DIODE 1SS119			
C146	1-123-380-00	ELECT	1MF	20%	50V	D170	8-719-911-19	DIODE 1SS119			
C147	1-130-072-00	FILM	0.022MF	2%	100V			<u>IC</u>			
C148	1-110-186-81	MYLAR	0.0047MF	10%	400V	D171	8-719-911-19	DIODE 1SS119			
C149	1-102-529-00	CERAMIC	100PF	5%	50V			<u>IC</u>			
C150	1-102-852-00	CERAMIC	47PF	5%	50V	IC101	8-759-909-08	IC TDA3541			
C151	1-101-004-00	CERAMIC	0.01MF		50V	IC102	8-759-909-54	IC TDA2546A			
C152	1-101-004-00	CERAMIC	0.01MF		50V	IC103	8-759-602-16	IC M54572L			
C153	1-123-356-00	ELECT	10MF	20%	16V	IC151	8-759-007-54	IC TDA4940			
C154	1-101-004-00	CERAMIC	0.01MF		50V	IC152	8-759-007-55	IC TDA4944			
C155	1-123-332-00	ELECT	47MF	20%	16V			<u>COIL</u>			
C156	1-123-306-00	ELECT	47MF	20%	10V	L101	1-404-476-00	COIL, IF			
C157	1-123-306-00	ELECT	47MF	20%	10V	L102	1-404-476-00	COIL, IF			
C158	1-123-379-00	ELECT	0.47MF	20%	50V	L103	1-408-432-31	MICRO INDUCTOR 1.5UH			
C159	1-102-816-00	CERAMIC	120PF	5%	50V	L104	1-408-406-00	MICRO INDUCTOR 5.6UH			
C160	1-102-125-00	CERAMIC	0.0047MF	10%	50V	L105	1-404-477-00	COIL, IF			
C164	1-108-620-91	MYLAR	0.0033MF	10%	100V	L106	1-404-493-00	COIL			
C165	1-108-620-91	MYLAR	0.0033MF	10%	100V	L107	1-404-493-00	COIL			
C167	1-108-620-91	MYLAR	0.0033MF	10%	100V	L109	1-408-603-00	MICRO INDUCTOR 10UH			
C168	1-108-620-91	MYLAR	0.0033MF	10%	100V						
C169	1-123-356-00	ELECT	10MF	20%	16V						
C170	1-123-356-00	ELECT	10MF	20%	16V						



**A**

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
L110	1-408-406-00	MICRO INDUCTOR 5.6UH		R132	1-215-762-91	METAL 10K 5% 1/6W	
L111	1-404-493-00	COIL		R134	1-215-782-91	METAL 68K 5% 1/6W	
L113	1-408-226-00	MICRO INDUCTOR 82UH		R135	1-215-776-91	METAL 39K 5% 1/6W	
L114	1-407-489-00	MICRO INDUCTOR 560UH		R136	1-215-770-91	METAL 22K 5% 1/6W	
L116	1-408-406-00	MICRO INDUCTOR 5.6UH		R137	1-215-770-91	METAL 22K 5% 1/6W	
L117	1-408-428-00	MICRO INDUCTOR 390UH		R140	1-215-738-91	METAL 1K 5% 1/6W	
L170	1-408-247-00	MICRO INDUCTOR 33MMH		R141	1-215-766-91	METAL 15K 5% 1/6W	
L171	1-408-408-00	MICRO INDUCTOR 8.2UH		R142	1-215-786-91	METAL 100K 5% 1/6W	
<u>TRANSISTOR</u>				R143	1-215-786-91	METAL 100K 5% 1/6W	
Q101	8-729-178-54	TRANSISTOR 2SC2785		R144	1-215-752-91	METAL 3.9K 5% 1/6W	
Q102	8-729-105-47	TRANSISTOR 2SC2026-L		R145	1-215-752-91	METAL 3.9K 5% 1/6W	
Q103	8-729-117-54	TRANSISTOR 2SA1175		R146	1-215-754-91	METAL 4.7K 5% 1/6W	
Q104	8-729-900-36	TRANSISTOR DTC124ES		R151	1-215-736-91	METAL 820 5% 1/6W	
Q105	8-729-117-54	TRANSISTOR 2SA1175		R152	1-215-776-91	METAL 39K 5% 1/6W	
Q151	8-729-178-54	TRANSISTOR 2SC2785		R153	1-215-728-91	METAL 390 5% 1/6W	
Q152	8-729-178-54	TRANSISTOR 2SC2785		R154	1-215-714-91	METAL 100 5% 1/6W	
Q153	8-729-178-54	TRANSISTOR 2SC2785		R155	1-215-770-91	METAL 22K 5% 1/6W	
Q154	8-729-900-89	TRANSISTOR DTC144ES		R156	1-215-784-91	METAL 82K 5% 1/6W	
Q155	8-729-178-54	TRANSISTOR 2SC2785		R157	1-215-754-91	METAL 4.7K 5% 1/6W	
Q156	8-729-178-54	TRANSISTOR 2SC2785		R158	1-215-754-91	METAL 4.7K 5% 1/6W	
Q157	8-729-900-89	TRANSISTOR DTC144ES		R159	1-215-754-91	METAL 4.7K 5% 1/6W	
Q158	8-729-900-89	TRANSISTOR DTC144ES		R160	1-215-754-91	METAL 4.7K 5% 1/6W	
Q172	8-729-117-54	TRANSISTOR 2SA1175		R161	1-215-738-91	METAL 1K 5% 1/6W	
Q173	8-729-178-54	TRANSISTOR 2SC2785		R162	1-215-738-91	METAL 1K 5% 1/6W	
Q174	8-729-178-54	TRANSISTOR 2SC2785		R166	1-215-750-91	METAL 3.3K 5% 1/6W	
Q175	8-729-178-54	TRANSISTOR 2SC2785		R167	1-215-774-91	METAL 33K 5% 1/6W	
<u>RESISTOR</u>				R168	1-215-770-91	METAL 22K 5% 1/6W	
R101	1-215-738-91	METAL 1K 5% 1/6W		R172	1-215-720-91	METAL 180 5% 1/6W	
R102	1-215-738-91	METAL 1K 5% 1/6W		R173	1-215-778-91	METAL 47K 5% 1/6W	
R105	1-215-760-91	METAL 8.2K 5% 1/6W		R174	1-215-796-91	METAL 270K 5% 1/6W	
R106	1-215-750-91	METAL 3.3K 5% 1/6W		R175	1-215-772-91	METAL 27K 5% 1/6W	
R107	1-215-750-91	METAL 3.3K 5% 1/6W		R176	1-215-738-91	METAL 1K 5% 1/6W	
R108	1-215-798-91	METAL 330K 5% 1/6W		R177	1-215-762-91	METAL 10K 5% 1/6W	
R109	1-215-746-91	METAL 2.2K 5% 1/6W		R178	1-215-762-91	METAL 10K 5% 1/6W	
R110	1-215-746-91	METAL 2.2K 5% 1/6W		R179	1-215-762-91	METAL 10K 5% 1/6W	
R111	1-215-754-91	METAL 4.7K 5% 1/6W		R180	1-215-738-91	METAL 1K 5% 1/6W	
R112	1-215-734-91	METAL 680 5% 1/6W		R181	1-215-740-91	METAL 1.2K 5% 1/6W	
R113	1-215-752-91	METAL 3.9K 5% 1/6W		R182	1-215-746-91	METAL 2.2K 5% 1/6W	
R114	1-215-722-91	METAL 220 5% 1/6W		R183	1-215-738-91	METAL 1K 5% 1/6W	
R115	1-215-750-91	METAL 3.3K 5% 1/6W		R184	1-215-724-91	METAL 270 5% 1/6W	
R116	1-215-730-91	METAL 470 5% 1/6W		R185	1-215-726-91	METAL 330 5% 1/6W	
R117	1-215-710-91	METAL 68 5% 1/6W		R188	1-215-766-91	METAL 15K 5% 1/6W	
R118	1-215-724-91	METAL 270 5% 1/6W		R191	1-215-732-91	METAL 560 5% 1/6W	
R119	1-215-730-91	METAL 470 5% 1/6W		R192	1-215-732-91	METAL 560 5% 1/6W	
R120	1-215-778-91	METAL 47K 5% 1/6W		R193	1-215-714-91	METAL 100 5% 1/6W	
R122	1-215-762-91	METAL 10K 5% 1/6W		<u>VARIABLE RESISTOR</u>			
R125	1-215-736-91	METAL 820 5% 1/6W		RV101	1-228-727-00	RES, ADJ, CERAMIC CARBON 47K	
R126	1-215-736-91	METAL 820 5% 1/6W		RV151	1-228-726-00	RES, ADJ, CERAMIC CARBON 33K	
R127	1-215-736-91	METAL 820 5% 1/6W		<u>TUNER</u>			
R129	1-215-810-91	METAL 1M 5% 1/6W		TU101	1-463-577-11	TUNER, ET (BT-883A)	
R131	1-215-778-91	METAL 47K 5% 1/6W					

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.





Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
*A-1325-025-A	V BOARD, COMPLETE (KV-27EXTD ONLY)	*****		D005	8-719-109-88	DIODE RD5.6ES-B1	
				D006	8-719-911-19	DIODE 1SS119	
				D007	8-719-911-19	DIODE 1SS119	
*4-371-102-01	CASE (MAIN), SHIELD, A1			D008	8-719-911-19	DIODE 1SS119	
*4-371-103-01	CASE (UPPER LID), SHIELD, A1			D011	8-719-911-19	DIODE 1SS119	
*4-371-104-01	CASE (BOTTOM LID), SHIELD, A1						
CAPACITOR				D012	8-719-911-19	DIODE 1SS119	
C001	1-123-307-00	ELECT	100MF 20% 10V	D013	8-719-109-88	DIODE RD5.6ES-B1	
C002	1-123-332-00	ELECT	47MF 20% 16V	IC			
C003	1-123-309-00	ELECT	330MF 20% 6.3V	IC001	8-759-918-54	IC SAA5230	
C004	1-123-332-00	ELECT	47MF 20% 16V	IC002	8-759-918-56	IC SAA5240A	
C005	1-123-308-00	ELECT	220MF 20% 6.3V		*1-526-722-00	SOCKET, IC 40P; IC002	
				IC003	8-759-206-27	IC TC5564PL-15	
C006	1-123-321-00	ELECT	220MF 20% 16V	IC004	8-759-108-76	IC CX526-050	
C007	1-110-175-81	MYLAR	0.1MF 10% 100V	COIL			
C008	1-102-951-00	CERAMIC	15PF 5% 50V	L001	1-408-411-00	MICRO INDUCTOR 15UH	
C009	1-102-074-00	CERAMIC	0.001MF 10% 50V	TRANSISTOR			
C010	1-102-824-21	CERAMIC	470PF 5% 50V	Q001	8-729-109-53	TRANSISTOR 2SD795A-P	
				Q002	8-729-178-54	TRANSISTOR 2SC2785	
C011	1-110-182-81	MYLAR	0.022MF 10% 250V	Q003	8-729-177-43	TRANSISTOR 2SD774	
C012	1-102-980-00	CERAMIC	270PF 5% 50V	Q004	8-729-117-54	TRANSISTOR 2SA1175	
C013	1-102-973-00	CERAMIC	100PF 5% 50V	Q005	8-729-900-89	TRANSISTOR DTC144ES	
C014	1-102-851-00	CERAMIC	15PF 5% 50V	Q006	8-729-117-54	TRANSISTOR 2SA1175	
C015	1-102-883-00	CERAMIC	27PF 5% 50V	Q007	8-729-178-54	TRANSISTOR 2SC2785	
				Q008	8-729-178-54	TRANSISTOR 2SC2785	
C016	1-110-190-81	MYLAR	0.01MF 10% 400V	Q009	8-729-900-89	TRANSISTOR DTC144ES	
C017	1-110-171-81	MYLAR	0.047MF 10% 100V	Q010	8-729-117-54	TRANSISTOR 2SA1175	
C018	1-102-953-00	CERAMIC	18PF 5% 50V	Q011	8-729-117-54	TRANSISTOR 2SA1175	
C019	1-110-171-81	MYLAR	0.047MF 10% 100V	Q012	8-729-117-54	TRANSISTOR 2SA1175	
C020	1-102-978-00	CERAMIC	220PF 5% 50V	RESISTOR			
				R001	1-215-867-00	METAL OXIDE 470 5% 1W F	
C021	1-110-173-81	MYLAR	0.068MF 10% 100V	R002	1-215-762-91	METAL 10K 5% 1/6W	
C022	1-102-963-00	CERAMIC	33PF 5% 50V	R003	1-215-778-91	METAL 47K 5% 1/6W	
C023	1-102-963-00	CERAMIC	33PF 5% 50V	R004	1-247-745-11	CARBON 330 5% 1/2W	
C024	1-136-177-00	FILM	1MF 5% 50V	R005	1-215-736-91	METAL 820 5% 1/6W	
C025	1-123-298-00	ELECT	470MF 20% 6.3V				
				R006	1-215-754-91	METAL 4.7K 5% 1/6W	
C026	1-102-973-00	CERAMIC	100PF 5% 50V	R007	1-215-726-91	METAL 330 5% 1/6W	
C037	1-110-175-81	MYLAR	0.1MF 10% 100V	R008	1-215-780-91	METAL 56K 5% 1/6W	
C040	1-136-177-00	FILM	1MF 5% 50V	R009	1-215-738-91	METAL 1K 5% 1/6W	
C041	1-110-175-81	MYLAR	0.1MF 10% 100V	R010	1-215-770-91	METAL 22K 5% 1/6W	
C042	1-102-820-00	CERAMIC	330PF 5% 50V				
				R011	1-215-738-91	METAL 1K 5% 1/6W	
C043	1-123-308-00	ELECT	220MF 20% 6.3V	R012	1-215-762-91	METAL 10K 5% 1/6W	
C044	1-110-175-81	MYLAR	0.1MF 10% 100V	R014	1-215-738-91	METAL 1K 5% 1/6W	
C045	1-102-116-00	CERAMIC	680PF 10% 50V	R015	1-215-738-91	METAL 1K 5% 1/6W	
C046	1-123-356-00	ELECT	10MF 20% 16V	R016	1-215-132-00	METAL 150 5% 1/4W	
C049	1-101-361-00	CERAMIC	150PF 10% 50V				
				R017	1-215-132-00	METAL 150 5% 1/4W	
C050	1-101-361-00	CERAMIC	150PF 10% 50V	R018	1-215-132-00	METAL 150 5% 1/4W	
TRIMMER				R019	1-215-132-00	METAL 150 5% 1/4W	
CT001	1-141-181-11	CAP, TRIMMER		R020	1-215-716-91	METAL 120 5% 1/6W	
DIODE				R021	1-215-716-91	METAL 120 5% 1/6W	
D001	8-719-911-19	DIODE 1SS119					
D002	8-719-100-35	DIODE RD5.6E-B2					
D003	8-719-100-68	DIODE RD13E-B2					
D004	8-719-101-40	DIODE RD3.9E-L1					





Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R022	1-215-716-91	METAL 120 5% 1/6W		C706	1-102-945-00	CERAMIC 8PF 1PF 50V	
R023	1-215-776-91	METAL 39K 5% 1/6W		C709	1-123-356-00	ELECT 10MF 20% 16V	
R024	1-215-756-91	METAL 5.6K 5% 1/6W		C711	1-102-963-00	CERAMIC 33PF 5% 50V	
R025	1-215-746-91	METAL 2.2K 5% 1/6W		C712	1-102-963-00	CERAMIC 33PF 5% 50V	
R040	1-215-714-91	METAL 100 5% 1/6W		C713	1-102-963-00	CERAMIC 33PF 5% 50V	
R044	1-217-376-00	FUSIBLE 1.2 5% 1/4W F		C731	1-123-356-00	ELECT 10MF 20% 16V	
R046	1-215-726-91	METAL 330 5% 1/6W		C732	1-101-006-21	CERAMIC 0.047MF 50V	
R047	1-215-762-91	METAL 10K 5% 1/6W		C733	1-123-356-00	ELECT 10MF 20% 25V	
R048	1-215-764-91	METAL 12K 5% 1/6W		C735	1-123-356-00	ELECT 10MF 20% 25V	
R052	1-215-738-91	METAL 1K 5% 1/6W		C737	1-123-254-00	ELECT 10MF 250V	
R065	1-215-738-91	METAL 1K 5% 1/6W		C741	1-129-714-00	FILM 0.01MF 10% 630V	
<u>VARIABLE RESISTOR</u>				C742	1-102-249-00	CERAMIC 680PF 20% 2KV	
RV001	1-230-631-11	RES, ADJ, CARBON 22K		C751	1-101-361-00	CERAMIC 150PF 5% 50V	
RV002	1-224-247-XX	RES, ADJ, METAL GLAZE 100		C752	1-108-617-91	MYLAR 0.0018MF 10% 100V	
<u>CONNECTOR</u>				C753	1-106-196-00	MYLAR 0.01MF 10% 100V	
V1	*1-560-124-00	PLUG, CONNECTOR (2.5MM PITCH)		C754	1-102-980-00	CERAMIC 270PF 5% 50V	
V2	*1-560-124-00	PLUG, CONNECTOR (2.5MM PITCH)		C757	1-106-220-00	MYLAR 0.1MF 10% 100V	
V4	*1-560-124-00	PLUG, CONNECTOR (2.5MM PITCH)		C759	1-123-356-00	ELECT 10MF 20% 50V	
V5	*1-560-124-00	PLUG, CONNECTOR (2.5MM PITCH)		C760	1-123-382-00	ELECT 33MF 20% 50V	
V6	*1-508-784-00	1P PLUG		C761	1-101-006-21	CERAMIC 0.047MF 50V	
V9	*1-560-126-00	PLUG, CONNECTOR (2.5MM PITCH)		<u>DIODE</u>			
V10	*1-508-784-00	1P PLUG		D701	8-719-911-19	DIODE 1SS119	
V11	*1-560-124-00	PLUG, CONNECTOR (2.5MM) 4P		D702	8-719-911-19	DIODE 1SS119	
V12	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P		D703	8-719-911-19	DIODE 1SS119	
V13	*1-560-127-00	PLUG, CONNECTOR (2.5MM) 7P		D704	8-719-911-19	DIODE 1SS119	
<u>CRYSTAL</u>				D705	8-719-911-19	DIODE 1SS119	
X001	1-567-162-00	OSCILLATOR, CRYSTAL		D706	8-719-911-19	DIODE 1SS119	
X002	1-567-495-11	OSCILLATOR, CRYSTAL		D707	8-719-911-19	DIODE 1SS119	
X003	1-567-192-11	OSCILLATOR, CERAMIC		D708	8-719-911-19	DIODE 1SS119	
*****				D709	8-719-911-19	DIODE 1SS119	
*A-1330-712-A C BOARD, COMPLETE				<u>COIL</u>			
*****				L701	1-408-420-00	MICRO INDUCTOR 82UH	
1-526-644-41 SOCKET, CRT				L751	1-408-413-00	MICRO INDUCTOR 22UH	
<u>CONNECTOR</u>				<u>TRANSISTOR</u>			
C1	*1-508-765-00	3P PLUG (M)		Q701	8-729-255-12	TRANSISTOR 2SC2551	
C2	*1-564-879-31	PLUG, CONNECTOR 2P		Q702	8-729-255-12	TRANSISTOR 2SC2551	
C3	*1-564-880-31	PLUG, CONNECTOR 3P		Q703	8-729-255-12	TRANSISTOR 2SC2551	
C4	*1-564-884-31	PLUG, CONNECTOR 7P		Q704	8-729-326-11	TRANSISTOR 2SC2611	
C5	*1-508-766-00	4P PLUG (M)			4-303-483-00	HEAD, WASHER, TAPPING SCREW; Q704	
C6	*1-508-784-00	1P PLUG		Q705	8-729-326-11	TRANSISTOR 2SC2611	
<u>CAPACITOR</u>					4-303-483-00	HEAD, WASHER, TAPPING SCREW; Q705	
C701	1-102-116-00	CERAMIC 680PF 10% 50V		Q706	8-729-326-11	TRANSISTOR 2SC2611	
C702	1-102-116-00	CERAMIC 680PF 10% 50V			4-303-483-00	HEAD, WASHER, TAPPING SCREW; Q706	
C703	1-102-116-00	CERAMIC 680PF 10% 50V		Q707	8-729-200-17	TRANSISTOR 2SA1091	
C704	1-102-945-00	CERAMIC 8PF 1PF 50V		Q708	8-729-200-17	TRANSISTOR 2SA1091	
C705	1-102-945-00	CERAMIC 8PF 1PF 50V		Q709	8-729-200-17	TRANSISTOR 2SA1091	
				Q710	8-729-802-47	TRANSISTOR 2SC3504-E	
				Q711	8-729-802-47	TRANSISTOR 2SC3504-E	
				Q712	8-729-802-47	TRANSISTOR 2SC3504-E	



Ref.No.	Part No.	Description	Remark				Ref.No.	Part No.	Description	Remark			
Q713	8-729-117-54	TRANSISTOR 2SA1175					R747	1-202-821-91	SOLID	1.8K	10%	1/2W	
Q714	8-729-900-36	TRANSISTOR DTC124ES					R748	1-202-821-91	SOLID	1.8K	10%	1/2W	
Q715	8-729-178-54	TRANSISTOR 2SC2785					R751	1-247-833-00	CARBON	1.2K	5%	1/6W	
Q751	8-729-178-54	TRANSISTOR 2SC2785					R752	1-247-849-00	CARBON	5.6K	5%	1/6W	
Q752	8-729-178-54	TRANSISTOR 2SC2785					R753	1-249-414-11	CARBON	560	5%	1/6W	
Q753	8-729-103-43	TRANSISTOR 2SB734					R754	1-249-434-11	CARBON	27K	5%	1/6W	
Q754	8-729-177-43	TRANSISTOR 2SD774					R755	1-249-405-11	CARBON	100	5%	1/6W	
RESISTOR													
R701	1-216-485-11	METAL OXIDE	5.6K	5%	3W	F	R760	1-247-819-00	CARBON	330	5%	1/6W	
R702	1-216-485-11	METAL OXIDE	5.6K	5%	3W	F	R761	1-249-429-11	CARBON	10K	5%	1/6W	
R703	1-216-485-11	METAL OXIDE	5.6K	5%	3W	F	R762	1-247-895-00	CARBON	470K	5%	1/6W	
R704	1-247-710-11	CARBON	560	5%	1/4W	F	R763	1-249-429-11	CARBON	10K	5%	1/6W	
R705	1-247-710-11	CARBON	560	5%	1/4W	F	R764	1-249-389-11	CARBON	4.7	5%	1/6W	F
R706	1-247-710-11	CARBON	560	5%	1/4W	F	R765	1-249-389-11	CARBON	4.7	5%	1/6W	F
R707	1-249-417-11	CARBON	1K	5%	1/6W		R766	1-247-833-00	CARBON	1.2K	5%	1/6W	
R708	1-249-417-11	CARBON	1K	5%	1/6W		R767	1-247-837-00	CARBON	1.8K	5%	1/6W	
R709	1-249-417-11	CARBON	1K	5%	1/6W		R768	1-216-449-11	METAL OXIDE	56	5%	2W	F
R710	1-214-909-00	METAL	68K	1%	1/2W		R769	1-217-403-00	FUSIBLE	220	5%	1/4W	F
R711	1-214-909-00	METAL	68K	1%	1/2W		VARIABLE RESISTOR						
R712	1-214-909-00	METAL	68K	1%	1/2W		RV701	1-230-105-00	RES, ADJ, CARBON 3.3K				
R713	1-249-421-11	CARBON	2.2K	5%	1/6W		RV702	1-230-103-00	RES, ADJ, CARBON 2.2K				
R714	1-249-421-11	CARBON	2.2K	5%	1/6W		RV741	1-230-641-11	RES, ADJ, METAL GLAZE 2.2M				
R715	1-247-843-00	CARBON	3.3K	5%	1/6W		SPARK GAP						
R716	1-249-429-11	CARBON	10K	5%	1/6W		SG701	1-519-063-XX	DISCHARGING GAP				
R717	1-249-429-11	CARBON	10K	5%	1/6W		SG702	1-519-063-XX	DISCHARGING GAP				
R718	1-249-429-11	CARBON	10K	5%	1/6W		SG703	1-519-063-XX	DISCHARGING GAP				
R719	1-247-837-00	CARBON	1.8K	5%	1/6W		*****						
R720	1-247-837-00	CARBON	1.8K	5%	1/6W		*A-1340-817-A D1 BOARD, COMPLETE						
R721	1-247-837-00	CARBON	1.8K	5%	1/6W		*****						
R722	1-249-419-11	CARBON	1.5K	5%	1/6W		CAPACITOR						
R723	1-249-419-11	CARBON	1.5K	5%	1/6W		C1501	1-108-630-91	MYLAR	0.022MF	10%	100V	
R724	1-249-419-11	CARBON	1.5K	5%	1/6W		C1503	1-106-196-00	MYLAR	0.01MF	10%	100V	
R725	1-214-961-00	METAL	750K	1%	1/4W		C1504	1-123-380-00	ELECT	1MF	20%	50V	
R726	1-214-956-00	METAL	470K	1%	1/4W		C1505	1-108-622-91	MYLAR	0.0047MF	10%	100V	
R727	1-214-787-00	METAL	270K	1%	1/4W		C1506	1-123-382-00	ELECT	3.3MF	20%	50V	
R730	1-247-815-00	CARBON	220	5%	1/6W		C1507	1-123-357-00	ELECT	22MF	20%	50V	
R731	1-247-851-00	CARBON	6.8K	5%	1/6W		C1508	1-123-379-00	ELECT	0.47MF	20%	50V	
R732	1-247-837-00	CARBON	1.8K	5%	1/6W		C1509	1-123-360-00	ELECT	100MF	20%	50V	
R733	1-247-236-00	CARBON	680	5%	1/2W		C1510	1-123-381-00	ELECT	2.2MF	20%	50V	
R734	1-249-421-11	CARBON	2.2K	5%	1/6W		C1511	1-123-380-00	ELECT	1MF	20%	50V	
R735	1-247-799-00	CARBON	47	5%	1/6W		C1512	1-106-196-00	MYLAR	0.01MF	10%	100V	
R736	1-249-417-11	CARBON	1K	5%	1/6W		C1513	1-123-332-00	ELECT	47MF	20%	16V	
R737	1-215-878-00	METAL OXIDE	33K	5%	1W	F	C1514	1-123-330-00	ELECT	22MF	20%	16V	
R738	1-215-878-00	METAL OXIDE	33K	5%	1W	F	C1515	1-123-330-00	ELECT	22MF	20%	16V	
R739	1-215-878-00	METAL OXIDE	33K	5%	1W	F	C1516	1-123-360-00	ELECT	100MF	20%	50V	
R740	1-249-405-11	CARBON	100	5%	1/6W	F	C1517	1-123-382-00	ELECT	3.3MF	20%	50V	
R741	1-207-458-00	WIREWOUND	0.39	10%	1/2W		C1518	1-106-192-00	MYLAR	0.0068MF	10%	100V	
R742	1-202-838-00	SOLID	100K	10%	1/2W								
R743	1-249-429-11	CARBON	10K	5%	1/6W								
R744	1-202-844-00	SOLID	330K	10%	1/2W								
R745	1-202-842-91	SOLID	220K	10%	1/2W								
R746	1-202-821-91	SOLID	1.8K	10%	1/2W								



# D1 H1

Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
C1519	1-106-208-00	MYLAR 0.033MF	10% 100V	R1522	1-249-435-11	CARBON 33K 5%	1/6W
C1520	1-123-333-00	ELECT 100MF	20% 16V	R1523	1-247-853-00	CARBON 8.2K 5%	1/6W
C1521	1-108-637-00	MYLAR 0.082MF	10% 100V	R1524	1-247-811-00	CARBON 150 5%	1/6W
C1522	1-108-630-91	MYLAR 0.022MF	10% 100V	R1525	1-249-429-11	CARBON 10K 5%	1/6W
C1523	1-123-356-00	ELECT 10MF	20% 16V	R1526	1-247-725-11	CARBON 10K 5%	1/4W
C1524	1-108-622-91	MYLAR 0.0047MF	10% 100V	R1527	1-247-787-00	CARBON 15 5%	1/6W
C1525	1-129-701-00	FILM 0.01MF	5% 100V	R1528	1-249-414-11	CARBON 560 5%	1/6W
C1526	1-102-125-00	CERAMIC 0.0047MF	10% 50V	R1529	1-249-434-11	CARBON 27K 5%	1/6W
C1527	1-136-165-00	FILM 0.1MF	5% 50V	R1530	1-216-451-11	METAL OXIDE 120 5%	2W F
				R1531	1-215-865-11	METAL OXIDE 220 5%	1W F
<u>CONNECTOR</u>				R1532	1-247-809-00	CARBON 120 5%	1/6W
CNJ1	*1-562-370-21	CONNECTOR, BOARD TO BOARD 18P		R1533	1-247-242-00	CARBON 1.2K 5%	1/2W
<u>DIODE</u>				R1534	1-247-803-00	CARBON 68 5%	1/6W
D1501	8-719-911-19	DIODE 1SS119		R1535	1-216-423-11	METAL OXIDE 27 5%	1W F
D1502	8-719-911-19	DIODE 1SS119		R1536	1-247-869-00	CARBON 39K 5%	1/6W
<u>IC</u>				<u>VARIABLE RESISTOR</u>			
IC1501	8-759-905-39	IC TDA1082		RV1501	1-230-625-11	RES, ADJ, CARBON 330	
<u>COIL</u>				RV1502	1-230-634-51	RES, ADJ, CARBON 100K	
L1501	1-408-245-00	MICRO INDUCTOR 22MMH		RV1503	1-230-634-51	RES, ADJ, CARBON 100K	
L1502	1-407-509-00	MICRO INDUCTOR 27MMH		RV1504	1-226-771-00	RES, ADJ, METAL GLAZE 1K	
L1503	1-408-242-00	MICRO INDUCTOR 10MMH		RV1505	1-230-628-11	RES, ADJ, CARBON 2.2K	
L1504	1-408-247-00	MICRO INDUCTOR 33MMH		RV1506	1-230-634-51	RES, ADJ, CARBON 100K	
<u>TRANSISTOR</u>				RV1507	1-230-630-11	RES, ADJ, CARBON 10K	
Q1501	8-729-178-54	TRANSISTOR 2SC2785		RV1508	1-230-627-11	RES, ADJ, CARBON 1K	
Q1502	8-729-178-54	TRANSISTOR 2SC2785		RV1509	1-230-271-00	RES, ADJ, CARBON 4.7K	
Q1503	8-729-374-02	TRANSISTOR 2SB740		RV1510	1-230-630-11	RES, ADJ, CARBON 10K	
Q1504	8-729-195-82	TRANSISTOR 2SC2958		RV1511	1-230-625-11	RES, ADJ, CARBON 330	
<u>RESISTOR</u>				<u>THERMISTOR</u>			
R1501	1-247-805-00	CARBON 82 5%	1/6W	TH1501	1-806-110-00	THERMISTOR	
R1502	1-247-145-00	CARBON 3.9K 5%	1/4W	TH1502	1-800-625-00	THERMISTOR	
R1503	1-249-415-11	CARBON 680 5%	1/6W	*****			
R1504	1-249-432-11	CARBON 18K 5%	1/6W	*1-613-719-22	H1 BOARD	*****	
R1505	1-247-843-00	CARBON 3.3K 5%	1/6W	<u>CAPACITOR</u>			
R1506	1-249-432-11	CARBON 18K 5%	1/6W	C401	1-123-617-00	ELECT 10MF 20%	16V
R1508	1-249-432-11	CARBON 18K 5%	1/6W	C403	1-123-616-00	ELECT 4.7MF 20%	25V
R1509	1-247-702-11	CARBON 150 5%	1/4W	<u>DIODE</u>			
R1510	1-249-417-11	CARBON 1K 5%	1/6W	D401	8-719-911-19	DIODE 1SS119	
R1511	1-246-533-00	CARBON 330K 5%	1/4W	D402	8-719-911-19	DIODE 1SS119	
R1512	1-247-891-00	CARBON 330K 5%	1/6W	D403	8-719-911-19	DIODE 1SS119	
R1513	1-247-829-00	CARBON 820 5%	1/6W	D404	8-719-911-19	DIODE 1SS119	
R1514	1-247-815-00	CARBON 220 5%	1/6W	D405	8-719-911-19	DIODE 1SS119	
R1515	1-246-535-00	CARBON 390K 5%	1/4W	D406	8-719-911-19	DIODE 1SS119	
R1516	1-249-429-11	CARBON 10K 5%	1/6W	D407	8-719-911-19	DIODE 1SS119	
R1517	1-247-721-11	CARBON 4.7K 5%	1/4W	D409	8-719-911-19	DIODE 1SS119	
R1518	1-249-465-11	CARBON 47K 5%	1/4W				
R1519	1-249-419-11	CARBON 1.5K 5%	1/6W				
R1520	1-249-421-11	CARBON 2.2K 5%	1/6W				
R1521	1-249-435-11	CARBON 33K 5%	1/6W				



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
<u>RESISTOR</u>				*A-1345-618-A D BOARD, SUB COMPLETE *****			
R401	1-249-425-11	CARBON	4.7K 5% 1/6W	4-303-483-00 HEAD, WASHER, TAPPING SCREW			
R402	1-249-425-11	CARBON	4.7K 5% 1/6W	<u>CAPACITOR</u>			
R417	1-249-425-11	CARBON	4.7K 5% 1/6W	C001	1-123-307-00	ELECT	100MF 20% 10V
R418	1-249-421-11	CARBON	2.2K 5% 1/6W	C002	1-123-381-00	ELECT	2.2MF 20% 50V
<u>VARIABLE RESISTOR</u>				C003	1-102-973-00	CERAMIC	100PF 5% 50V
RV401	1-228-578-00	RES, VAR, CARBON 10K		C004	1-108-603-00	MYLAR	0.1MF 5% 50V
RV402	1-228-578-00	RES, VAR, CARBON 10K		C005	1-123-356-00	ELECT	10MF 20% 50V
RV403	1-228-578-00	RES, VAR, CARBON 10K		C006	1-102-959-00	CERAMIC	22PF 5% 50V
RV404	1-228-578-00	RES, VAR, CARBON 10K		C007	1-102-963-00	CERAMIC	33PF 5% 50V
RV405	1-228-578-00	RES, VAR, CARBON 10K		C008	1-123-356-00	ELECT	10MF 20% 50V
<u>SWITCH</u>				C009	1-102-114-00	CERAMIC	470PF 10% 50V
SW401	1-554-118-00	SWITCH, PUSH (1 KEY)		C010	1-123-369-00	ELECT	4.7MF 20% 25V
SW402	1-554-118-00	SWITCH, PUSH (1 KEY)		C011	1-124-253-00	ELECT	0.47MF 20% 50V
SW407	1-553-329-00	SWITCH, PUSH (MONO KEY)		C012	1-101-004-00	CERAMIC	0.01MF 50V
SW408	1-553-329-00	SWITCH, PUSH (MONO KEY)		C015	1-123-381-00	ELECT	2.2MF 20% 50V
SW411	1-553-329-00	SWITCH, PUSH (MONO KEY)		C016	1-101-810-00	CERAMIC	100PF 5% 500V
SW412	1-553-329-00	SWITCH, PUSH (MONO KEY)		C017	1-123-306-00	ELECT	47MF 20% 10V
SW413	1-553-329-00	SWITCH, PUSH (MONO KEY)		C017A	1-123-307-00	ELECT	100MF 20% 10V
SW414	1-553-329-00	SWITCH, PUSH (MONO KEY)		C018	1-106-220-00	MYLAR	0.1MF 10% 100V
SW415	1-553-329-00	SWITCH, PUSH (MONO KEY)		C019	1-123-306-00	ELECT	47MF 20% 10V
SW416	1-553-329-00	SWITCH, PUSH (MONO KEY)		C020	1-102-112-00	CERAMIC	330PF 10% 50V
SW417	1-553-329-00	SWITCH, PUSH (MONO KEY)		C022	1-161-377-00	CERAMIC	0.0047MF 20% 50V
SW418	1-553-329-00	SWITCH, PUSH (MONO KEY)		C026	1-102-074-00	CERAMIC	0.001MF 10% 50V
SW419	1-553-329-00	SWITCH, PUSH (MONO KEY)		C027	1-123-307-00	ELECT	100MF 20% 10V
*****				C201	1-102-114-00	CERAMIC	470PF 10% 50V
*1-613-720-22	H2 BOARD	*****		C202	1-102-074-00	CERAMIC	0.001MF 10% 50V
<u>DIODE</u>				C203	1-123-380-00	ELECT	1MF 20% 50V
LED401	8-719-908-08	DIODE SL-1274		C204	1-102-114-00	CERAMIC	470PF 10% 50V
LED402	8-719-812-41	DIODE TLR124		C205	1-123-356-00	ELECT	10MF 20% 16V
*4-369-741-01	HOLDER, LED; LED402			C206	1-102-074-00	CERAMIC	0.001MF 10% 50V
LED404	8-719-812-41	DIODE TLR124		C207	1-123-380-00	ELECT	1MF 20% 50V
*4-369-741-01	HOLDER, LED; LED404			C208	1-123-332-00	ELECT	47MF 20% 16V
LED405	8-719-812-41	DIODE TLR124		C209	1-106-212-00	MYLAR	0.047MF 10% 100V
*4-369-741-01	HOLDER, LED; LED405			C210	1-108-614-91	MYLAR	0.001MF 10% 100V
LED406	8-719-812-41	DIODE TLR124		C211	1-123-380-00	ELECT	1MF 20% 50V
*4-369-741-01	HOLDER, LED; LED406			C212	1-123-369-00	ELECT	4.7MF 20% 50V
<u>RESISTOR</u>				C213	1-123-356-00	ELECT	10MF 20% 16V
R412	1-247-813-00	CARBON	180 5% 1/6W	C214	1-123-356-00	ELECT	10MF 20% 16V
				C215	1-123-356-00	ELECT	10MF 20% 16V
				C216	1-123-356-00	ELECT	10MF 20% 16V
				C217	1-102-074-00	CERAMIC	0.001MF 10% 50V
				C218	1-106-208-00	MYLAR	0.033MF 10% 100V
				C219	1-123-356-00	ELECT	10MF 20% 16V
				C220	1-106-212-00	MYLAR	0.047MF 10% 100V
				C221	1-108-614-91	MYLAR	0.001MF 10% 100V
				C222	1-123-322-00	ELECT	330MF 20% 16V
				C223	1-123-380-00	ELECT	1MF 20% 50V
				C224	1-123-380-00	ELECT	1MF 20% 50V
				C225	1-123-322-00	ELECT	330MF 20% 16V



D

Ref.No.	Part No.	Description			Remark	Ref.No.	Part No.	Description			Remark
C226	1-123-330-00	ELECT	22MF	20%	16V	C322	1-131-345-00	TANTALUM	0.47MF	10%	35V
C227	1-123-330-00	ELECT	22MF	20%	16V	C323	1-102-110-00	CERAMIC	220PF	10%	50V
C228	1-102-945-00	CERAMIC	8PF	1PF	50V	C324	1-102-110-00	CERAMIC	220PF	10%	50V
C229	1-102-108-00	CERAMIC	150PF	10%	50V	C325	1-136-173-00	FILM	0.47MF	5%	50V
C230	1-106-208-00	MYLAR	0.033MF	10%	100V	C326	1-136-173-00	FILM	0.47MF	5%	50V
C231	1-123-333-00	ELECT	100MF	20%	16V	C327	1-121-705-00	ELECT	2.2MF	30%	25V
C232	1-123-330-00	ELECT	22MF	20%	16V	C328	1-102-973-00	CERAMIC	100PF	5%	50V
C233	1-102-114-00	CERAMIC	470PF	10%	50V	C329	1-101-004-00	CERAMIC	0.01MF	5%	50V
C234	1-123-379-00	ELECT	0.47MF	20%	50V	C331	1-161-330-00	CERAMIC	0.01MF	30%	25V
C235	1-123-330-00	ELECT	22MF	20%	16V	C332	1-101-880-00	CERAMIC	47PF	5%	50V
C236	1-102-114-00	CERAMIC	470PF	10%	50V	C333	1-123-356-00	ELECT	10MF	20%	16V
C237	1-123-379-00	ELECT	0.47MF	20%	50V	C334	1-123-356-00	ELECT	10MF	20%	16V
C238	1-108-603-00	MYLAR	0.1MF	5%	50V	C336	1-102-858-00	CERAMIC	10PF	0.5PF	50V
C239	1-108-603-00	MYLAR	0.1MF	5%	50V	C337	1-102-888-00	CERAMIC	150PF	5%	50V
C240	1-108-603-00	MYLAR	0.1MF	5%	50V	C338	1-102-884-00	CERAMIC	33PF	5%	50V
C241	1-124-472-11	ELECT	470MF	20%	10V	C339	1-102-959-00	CERAMIC	22PF	5%	50V
C243	1-123-332-00	ELECT	47MF	20%	16V	C340	1-102-945-00	CERAMIC	8PF	1PF	50V
C244	1-102-114-00	CERAMIC	470PF	10%	50V	C341	1-102-947-00	CERAMIC	10PF	5%	50V
C245	1-102-114-00	CERAMIC	470PF	10%	50V	C342	1-102-676-00	CERAMIC	68PF	5%	50V
C272	1-108-603-00	MYLAR	0.1MF	5%	50V	C343	1-102-973-00	CERAMIC	100PF	5%	50V
C273	1-123-359-00	ELECT	47MF	20%	50V	C344	1-123-379-00	ELECT	0.47MF	20%	50V
C274	1-123-364-00	ELECT	1000MF	20%	50V	C346	1-123-333-00	ELECT	100MF	20%	16V
C276	1-123-359-00	ELECT	47MF	20%	50V	C347	1-108-622-91	MYLAR	0.0047MF	10%	100V
C277	1-108-603-00	MYLAR	0.1MF	5%	50V	C348	1-123-379-00	ELECT	0.47MF	20%	50V
C278	1-123-349-00	ELECT	1000MF	20%	35V	C350	1-123-318-00	ELECT	33MF	20%	16V
C279	1-123-343-00	ELECT	33MF	20%	25V	C501	1-108-630-91	MYLAR	0.022MF	10%	100V
C280	1-123-349-00	ELECT	1000MF	20%	35V	C502	1-136-171-00	FILM	0.33MF	5%	50V
C281	1-123-360-00	ELECT	100MF	20%	50V	C503	1-136-171-00	FILM	0.33MF	5%	50V
C282	1-101-005-00	CERAMIC	0.022MF		50V	C504	1-102-108-00	CERAMIC	150PF	10%	50V
C283	1-101-005-00	CERAMIC	0.022MF		50V	C505	1-123-380-00	ELECT	1MF	20%	50V
C284	1-102-106-00	CERAMIC	100PF	10%	50V	C506	1-123-330-00	ELECT	22MF	20%	16V
C285	1-102-106-00	CERAMIC	100PF	10%	50V	C507	1-106-224-00	MYLAR	0.15MF	10%	100V
C288	1-108-630-91	MYLAR	0.022MF	10%	100V	C508	1-123-356-00	ELECT	10MF	20%	16V
C289	1-108-630-91	MYLAR	0.022MF	10%	100V	C509	1-123-369-00	ELECT	4.7MF	20%	25V
C290	1-123-343-00	ELECT	33MF	20%	25V	C510	1-123-323-00	ELECT	470MF	20%	16V
C291	1-123-343-00	ELECT	33MF	20%	25V	C511	1-123-379-00	ELECT	0.47MF	20%	50V
C301	1-102-944-00	CERAMIC	7PF	1PF	50V	C512	1-106-220-00	MYLAR	0.1MF	10%	100V
C302	1-102-944-00	CERAMIC	7PF	1PF	50V	C513	1-130-023-00	FILM	0.0027MF	5%	50V
C303	1-102-951-00	CERAMIC	15PF	5%	50V	C514	1-123-332-00	ELECT	47MF	20%	16V
C304	1-102-816-00	CERAMIC	120PF	5%	50V	C515	1-106-220-00	MYLAR	0.1MF	10%	100V
C308	1-123-356-00	ELECT	10MF	20%	16V	C516	1-123-357-00	ELECT	22MF	20%	50V
C309	1-123-380-00	ELECT	1MF	20%	50V	C517	1-102-030-00	CERAMIC	330PF	10%	500V
C311	1-123-323-00	ELECT	470MF	20%	16V	C518	1-129-743-00	FILM	0.022MF	10%	400V
C312	1-123-279-00	ELECT	2.2MF	20%	50V	C519	1-123-931-00	ELECT	3.3MF	20%	160V
C313	1-123-356-00	ELECT	10MF	20%	25V	C520	1-106-182-00	MYLAR	0.0027MF	10%	100V
C314	1-123-381-00	ELECT	2.2MF	20%	50V	C521	1-102-157-00	CERAMIC	560PF	10%	500V
C315	1-123-381-00	ELECT	2.2MF	20%	50V	C522	1-123-318-00	ELECT	33MF	20%	16V
C316	1-108-622-91	MYLAR	0.0047MF	10%	100V	C523	1-108-431-00	MYLAR	0.068MF	10%	200V
C317	1-108-630-91	MYLAR	0.022MF	10%	100V	C524	1-123-162-00	ELECT	1MF	20%	50V
C318	1-131-345-00	TANTALUM	0.47MF	10%	35V	C525	1-123-362-00	ELECT	330MF	20%	50V
C319	1-123-356-00	ELECT	10MF	20%	16V	C527	1-123-360-00	ELECT	100MF	20%	50V
C320	1-123-586-00	ELECT	0.1MF	20%	50V	C528	1-123-321-00	ELECT	220MF	20%	16V
C321	1-131-345-00	TANTALUM	0.47MF	10%	35V	C529	1-123-333-00	ELECT	100MF	20%	16V



### Remark

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.



**D**

Ref.No.	Part No.	Description
D307	8-719-911-19	DIODE 1SS119
D308	8-719-911-19	DIODE 1SS119
D309	8-719-911-19	DIODE 1SS119
D312	8-719-911-19	DIODE 1SS119
D501	8-719-911-19	DIODE 1SS119
D503	8-719-924-06	DIODE ERC24-06S
D504	8-719-924-06	DIODE ERC24-06S
D505	8-719-924-06	DIODE ERC24-06S
D506	8-719-911-19	DIODE 1SS119
D507	8-719-924-06	DIODE ERC24-06S
D551	8-719-911-19	DIODE 1SS119
D552	8-719-911-19	DIODE 1SS119
D553	8-719-924-06	DIODE ERC24-06S
D554	8-719-924-06	DIODE ERC24-06S
D555	8-719-911-19	DIODE 1SS119
D801	8-719-900-26	DIODE ERD29-08J
D802	8-719-300-65	DIODE ES1F
D803	8-719-924-06	DIODE ERC24-06S
D804	8-719-924-06	DIODE ERC24-06S
D805	8-719-931-13	DIODE EQ801-13
D806	8-719-305-15	DIODE GH3F
D807	8-719-305-15	DIODE GH3F

#### DELAY LINE

DL 301	1-415-427-11	DELAY LINE, Y
DL 302	1-415-122-31	DELAY LINE, 1H (PAL)

#### IC

IC001	8-759-603-67	IC CX523-117P
IC002	8-759-600-92	IC M58657P
IC201	8-759-914-76	IC CX20199
IC202	8-752-006-10	IC CX20061
IC251	8-749-943-62	IC STK-4362
	*4-368-684-01	SPRING (L); IC251
IC301	8-759-927-67	IC TDA3562A-N5
IC551	8-759-915-46	IC TDA2579
	*4-375-717-01	HEAT SINK, IC; IC551

#### MODULE

IC302	1-235-534-11	CONTROL MODULE, PICTURE
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#### COIL

L001	1-408-425-00	MICRO INDUCTOR 220UH
L251	1-459-407-00	COIL, FERRITE CHOKE
L252	1-459-407-00	COIL, FERRITE CHOKE
L301	1-404-495-00	COIL
L302	1-408-412-00	MICRO INDUCTOR 18UH
L304	1-408-602-21	MICRO INDUCTOR 8.2UH
L306	1-410-260-11	MICRO INDUCTOR 33UH
L307	1-410-261-11	MICRO INDUCTOR 5.6UH
L308	1-408-415-00	MICRO INDUCTOR 33UH
L310	1-407-705-00	MICRO INDUCTOR 100UH

Remark	Ref.No.	Part No.	Description	Remark
	L311	1-408-227-00	MICRO INDUCTOR 470UH	
	L801	1-407-365-00	COIL, CHOKE	
	L802	1-459-585-11	COIL (WITH CORE) (DRUM TYPE)	
	L803	1-459-224-00	HLC	
	L804	1-421-390-00	COIL, FERRITE (PMC)	
	L805	1-408-239-00	MICRO INDUCTOR 4.7MMH	
	L806	1-421-329-00	COIL, CHOKE	
	L808	1-407-365-00	COIL, CHOKE	
	L809	1-437-090-00	HDT	
	L810	1-407-365-00	COIL, CHOKE	
	L811	1-459-074-00	COIL, DUST CORE 6.8MMH(HCC)	
			<b>TRANSISTOR</b>	
	Q001	8-729-117-54	TRANSISTOR 2SA1175	
	Q003	8-729-178-54	TRANSISTOR 2SC2785	
	Q004	8-729-178-54	TRANSISTOR 2SC2785	
	Q006	8-729-178-54	TRANSISTOR 2SC2785	
	Q007	8-729-603-50	TRANSISTOR 2SC403SP	
	Q008	8-729-178-54	TRANSISTOR 2SC2785	
	Q009	8-729-178-54	TRANSISTOR 2SC2785	
	Q011	8-729-178-54	TRANSISTOR 2SC2785	
	Q201	8-729-178-54	TRANSISTOR 2SC2785	
	Q206	8-729-178-54	TRANSISTOR 2SC2785	
	Q207	8-729-117-54	TRANSISTOR 2SA1175	
	Q208	8-729-117-54	TRANSISTOR 2SA1175	
	Q301	8-729-178-54	TRANSISTOR 2SC2785	
	Q305	8-729-178-54	TRANSISTOR 2SC2785	
	Q309	8-729-178-54	TRANSISTOR 2SC2785	
	Q310	8-729-178-54	TRANSISTOR 2SC2785	
	Q311	8-729-178-54	TRANSISTOR 2SC2785	
	Q312	8-729-178-54	TRANSISTOR 2SC2785	
	Q313	8-729-178-54	TRANSISTOR 2SC2785	
	Q320	8-729-603-50	TRANSISTOR 2SC403SP	
	Q502	8-729-117-54	TRANSISTOR 2SA1175	
	Q504	8-729-117-54	TRANSISTOR 2SA1175	
	Q505	8-729-168-82	TRANSISTOR 2SC2688-L	
	Q506	8-729-169-02	TRANSISTOR 2SC2690A-Q	
		*4-342-076-00	HEAT SINK, V.OUT; Q506	
	Q507	8-729-122-02	TRANSISTOR 2SA1220A-Q	
	Q508	8-729-195-82	TRANSISTOR 2SC2958	
	Q510	8-729-178-54	TRANSISTOR 2SC2785	
	Q511	8-729-178-54	TRANSISTOR 2SC2785	
	Q512	8-729-900-36	TRANSISTOR DTC124ES	
	Q514	8-729-178-54	TRANSISTOR 2SC2785	
	Q515	8-729-178-54	TRANSISTOR 2SC2785	
	Q551	8-729-177-43	TRANSISTOR 2SD774	
	Q552	8-729-374-02	TRANSISTOR 2SB740	
	Q802	8-729-300-90	TRANSISTOR 2SD1497-06	
		4-365-216-00	SPACER, MICA; Q802	
		*4-368-683-01	SPRING; Q802	
	Q803	8-719-801-06	THYRISTOR S6344G	
		4-365-216-00	SPACER, MICA; Q803	
		*4-368-683-01	SPRING; Q803	



D

Ref.No.	Part No.	Description	Remark			Ref.No.	Part No.	Description	Remark		
RESISTOR						R056	1-247-859-00	CARBON	15K	5%	1/6W
R001	1-249-417-11	CARBON	1K	5%	1/6W	R057	1-249-429-11	CARBON	10K	5%	1/6W
R002	1-249-417-11	CARBON	1K	5%	1/6W	R060	1-249-414-11	CARBON	560	5%	1/6W
R003	1-249-417-11	CARBON	1K	5%	1/6W	R061	1-249-433-11	CARBON	22K	5%	1/6W
R004	1-247-815-00	CARBON	220	5%	1/6W	R201	1-247-125-00	CARBON	560	5%	1/4W
R005	1-247-815-00	CARBON	220	5%	1/6W	R202	1-247-125-00	CARBON	560	5%	1/4W
R006	1-247-815-00	CARBON	220	5%	1/6W	R203	1-247-721-11	CARBON	4.7K	5%	1/4W
R007	1-247-815-00	CARBON	220	5%	1/6W	R204	1-247-721-11	CARBON	4.7K	5%	1/4W
R008	1-247-815-00	CARBON	220	5%	1/6W	R205	1-247-153-00	CARBON	8.2K	5%	1/4W
R009	1-247-815-00	CARBON	220	5%	1/6W	R206	1-247-869-00	CARBON	39K	5%	1/6W
R010	1-247-815-00	CARBON	220	5%	1/6W	R207	1-247-719-11	CARBON	3.3K	5%	1/4W
R011	1-247-815-00	CARBON	220	5%	1/6W	R208	1-247-843-00	CARBON	3.3K	5%	1/6W
R012	1-247-799-00	CARBON	47	5%	1/6W	R209	1-249-429-11	CARBON	10K	5%	1/6W
R013	1-247-815-00	CARBON	220	5%	1/6W	R210	1-249-429-11	CARBON	10K	5%	1/6W
R014	1-249-425-11	CARBON	4.7K	5%	1/6W	R211	1-247-135-00	CARBON	1.5K	5%	1/4W
R015	1-249-425-11	CARBON	4.7K	5%	1/6W	R213	1-247-895-00	CARBON	470K	5%	1/6W
R016	1-247-721-11	CARBON	4.7K	5%	1/4W	R214	1-249-419-11	CARBON	1.5K	5%	1/6W
R017	1-247-713-11	CARBON	1K	5%	1/4W	R216	1-249-429-11	CARBON	10K	5%	1/6W
R018	1-249-417-11	CARBON	1K	5%	1/6W	R217	1-249-417-11	CARBON	1K	5%	1/6W
R020	1-249-437-11	CARBON	47K	5%	1/6W	R218	1-247-887-00	CARBON	220K	5%	1/6W
R021	1-247-859-00	CARBON	15K	5%	1/6W	R219	1-247-887-00	CARBON	220K	5%	1/6W
R022	1-247-859-00	CARBON	15K	5%	1/6W	R220	1-247-104-00	CARBON	75	5%	1/4W
R023	1-249-405-11	CARBON	100	5%	1/6W	R221	1-247-708-11	CARBON	470	5%	1/4W
R024	1-249-417-11	CARBON	1K	5%	1/6W	R222	1-247-873-00	CARBON	56K	5%	1/6W
R025	1-249-433-11	CARBON	22K	5%	1/6W	R228	1-247-873-00	CARBON	56K	5%	1/6W
R026	1-247-859-00	CARBON	15K	5%	1/6W	R229	1-247-823-00	CARBON	470	5%	1/6W
R027	1-247-708-11	CARBON	470	5%	1/4W	R230	1-249-417-11	CARBON	1K	5%	1/6W
R028	1-247-163-00	CARBON	22K	5%	1/4W	R231	1-247-821-00	CARBON	390	5%	1/6W
R029	1-249-433-11	CARBON	22K	5%	1/6W	R232	1-247-688-11	CARBON	10	5%	1/4W
R030	1-247-163-00	CARBON	22K	5%	1/4W	R233	1-247-823-00	CARBON	470	5%	1/6W
R031	1-247-163-00	CARBON	22K	5%	1/4W	R234	1-249-440-11	CARBON	82K	5%	1/6W
R032	1-249-433-11	CARBON	22K	5%	1/6W	R235	1-247-903-00	CARBON	1M	5%	1/6W
R033	1-249-433-11	CARBON	22K	5%	1/6W	R236	1-249-429-11	CARBON	10K	5%	1/6W
R034	1-249-433-11	CARBON	22K	5%	1/6W	R237	1-249-421-11	CARBON	2.2K	5%	1/6W
R035	1-249-433-11	CARBON	22K	5%	1/6W	R238	1-247-837-00	CARBON	1.8K	5%	1/6W
R037	1-249-417-11	CARBON	1K	5%	1/6W	R239	1-249-421-11	CARBON	2.2K	5%	1/6W
R038	1-249-422-11	CARBON	2.7K	5%	1/6W	R240	1-249-429-11	CARBON	10K	5%	1/6W
R039	1-249-405-11	CARBON	100	5%	1/6W	R242	1-249-429-11	CARBON	10K	5%	1/6W
R040	1-249-433-11	CARBON	22K	5%	1/6W	R243	1-249-432-11	CARBON	18K	5%	1/6W
R041	1-249-435-11	CARBON	33K	5%	1/6W	R244	1-249-460-11	CARBON	15K	5%	1/4W
R042	1-247-823-00	CARBON	470	5%	1/6W	R245	1-249-437-11	CARBON	47K	5%	1/6W
R043	1-247-823-00	CARBON	470	5%	1/6W	R247	1-247-137-00	CARBON	1.8K	5%	1/4W
R044	1-249-417-11	CARBON	1K	5%	1/6W	R248	1-247-713-11	CARBON	1K	5%	1/4W
R045	1-247-713-11	CARBON	1K	5%	1/4W	R249	1-247-137-00	CARBON	1.8K	5%	1/4W
R046	1-249-425-11	CARBON	4.7K	5%	1/6W	R251	1-247-815-00	CARBON	220	5%	1/6W
R047	1-249-405-11	CARBON	100	5%	1/6W	R252	1-249-405-11	CARBON	100	5%	1/6W
R048	1-249-441-11	CARBON	100K	5%	1/6W	R253	1-249-405-11	CARBON	100	5%	1/6W
R049	1-216-464-11	METAL OXIDE	18K	5%	2W	R254	1-249-405-11	CARBON	100	5%	1/6W
R050	1-217-387-00	FUSIBLE	10	5%	1/4W	R255	1-247-719-11	CARBON	3.3K	5%	1/4W
R052	1-247-713-11	CARBON	1K	5%	1/4W	R256	1-247-719-11	CARBON	3.3K	5%	1/4W
R053	1-247-883-00	CARBON	150K	5%	1/6W	R257	1-247-104-00	CARBON	75	5%	1/4W
R054	1-247-815-00	CARBON	220	5%	1/6W	R278	1-217-387-00	FUSIBLE	10	5%	1/4W
						R279	1-217 387 00	FUSIBLE	10	5%	1/4W



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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R280	1-249-441-11	CARBON	100K 5% 1/6W	R364	1-249-421-11	CARBON	2.2K 5% 1/6W
R281	1-247-849-00	CARBON	5.6K 5% 1/6W	R365	1-247-857-00	CARBON	12K 5% 1/6W
R282	1-249-425-11	CARBON	4.7K 5% 1/6W	R366	1-247-717-11	CARBON	2.2K 5% 1/4W
R283	1-247-713-11	CARBON	1K 5% 1/4W	R367	1-247-815-00	CARBON	220 5% 1/6W
R284	1-247-107-00	CARBON	100 5% 1/4W F	R368	1-247-815-00	CARBON	220 5% 1/6W
R285	1-249-425-11	CARBON	4.7K 5% 1/6W	R369	1-247-815-00	CARBON	220 5% 1/6W
R286	1-247-849-00	CARBON	5.6K 5% 1/6W	R370	1-247-708-11	CARBON	470 5% 1/4W
R287	1-249-441-11	CARBON	100K 5% 1/6W	R371	1-249-405-11	CARBON	100 5% 1/6W
R288	1-247-881-00	CARBON	120K 5% 1/6W	R373	1-247-713-11	CARBON	1K 5% 1/4W
R289	1-249-437-11	CARBON	47K 5% 1/6W	R376	1-246-507-00	CARBON	27K 5% 1/4W
R297	1-247-823-00	CARBON	470 5% 1/6W	R377	1-246-507-00	CARBON	27K 5% 1/4W
R298	1-247-823-00	CARBON	470 5% 1/6W	R378	1-249-432-11	CARBON	18K 5% 1/6W
R301	1-247-135-00	CARBON	1.5K 5% 1/4W	R379	1-247-864-00	CARBON	24K 5% 1/6W
R302	1-249-419-11	CARBON	1.5K 5% 1/6W	R380	1-249-440-11	CARBON	82K 5% 1/6W
R303	1-247-816-00	CARBON	240 5% 1/6W	R381	1-249-417-11	CARBON	1K 5% 1/6W
R304	1-249-429-11	CARBON	10K 5% 1/6W	R382	1-249-417-11	CARBON	1K 5% 1/6W
R305	1-247-823-00	CARBON	470 5% 1/6W	R383	1-249-417-11	CARBON	1K 5% 1/6W
R306	1-247-823-00	CARBON	470 5% 1/6W	R385	1-249-422-11	CARBON	2.7K 5% 1/6W
R307	1-249-415-11	CARBON	680 5% 1/6W	R386	1-249-422-11	CARBON	2.7K 5% 1/6W
R308	1-249-425-11	CARBON	4.7K 5% 1/6W	R387	1-249-422-11	CARBON	2.7K 5% 1/6W
R319	1-247-713-11	CARBON	1K 5% 1/4W	R390	1-247-161-00	CARBON	18K 5% 1/4W
R323	1-247-837-00	CARBON	1.8K 5% 1/6W	R504	1-249-422-11	CARBON	2.7K 5% 1/6W
R324	1-249-414-11	CARBON	560 5% 1/6W	R505	1-247-843-00	CARBON	3.3K 5% 1/6W
R325	1-247-707-11	CARBON	390 5% 1/4W	R506	1-247-833-00	CARBON	1.2K 5% 1/6W
R326	1-249-440-11	CARBON	82K 5% 1/6W	R507	1-249-417-11	CARBON	1K 5% 1/6W
R332	1-249-414-11	CARBON	560 5% 1/6W	R508	1-215-461-00	METAL	47K 1% 1/6W
R333	1-247-849-00	CARBON	5.6K 5% 1/6W	R509	1-215-477-00	METAL	220K 1% 1/6W
R334	1-247-151-00	CARBON	6.8K 5% 1/4W	R510	1-247-851-00	CARBON	6.8K 5% 1/6W
R335	1-249-437-11	CARBON	47K 5% 1/6W	R511	1-247-805-00	CARBON	82 5% 1/6W
R336	1-249-429-11	CARBON	10K 5% 1/6W	R512	1-247-829-00	CARBON	820 5% 1/6W
R337	1-249-429-11	CARBON	10K 5% 1/6W	R513	1-247-857-00	CARBON	12K 5% 1/6W
R338	1-249-417-11	CARBON	1K 5% 1/6W	R514	1-249-417-11	CARBON	1K 5% 1/6W
R339	1-249-417-11	CARBON	1K 5% 1/6W	R515	1-247-700-11	CARBON	100 5% 1/4W
R340	1-247-821-00	CARBON	390 5% 1/6W	R516	1-247-717-11	CARBON	2.2K 5% 1/4W
R341	1-247-821-00	CARBON	390 5% 1/6W	R517	1-246-511-00	CARBON	39K 5% 1/4W
R342	1-247-903-00	CARBON	1M 5% 1/6W	R520	1-214-765-00	METAL	33K 1% 1/4W
R343	1-249-441-11	CARBON	100K 5% 1/6W	R521	1-216-464-11	METAL OXIDE	18K 5% 2W F
R344	1-247-149-00	CARBON	5.6K 5% 1/4W	R522	1-247-901-00	CARBON	820K 5% 1/6W
R345	1-247-882-00	CARBON	130K 5% 1/6W	R523	1-247-807-00	CARBON	100 5% 1/8W F
R347	1-249-414-11	CARBON	560 5% 1/6W	R524	1-215-869-11	METAL OXIDE	1K 5% 1W F
R348	1-249-415-11	CARBON	680 5% 1/6W	R525	1-247-795-00	CARBON	33 5% 1/8W F
R349	1-247-849-00	CARBON	5.6K 5% 1/6W	R526	1-249-421-11	CARBON	2.2K 5% 1/6W
R350	1-247-853-00	CARBON	8.2K 5% 1/6W	R527	1-247-783-00	CARBON	10 5% 1/8W F
R351	1-249-433-11	CARBON	22K 5% 1/6W	R528	1-247-161-00	CARBON	18K 5% 1/4W
R352	1-247-837-00	CARBON	1.8K 5% 1/6W	R529	1-247-711-11	CARBON	680 5% 1/4W
R353	1-247-843-00	CARBON	3.3K 5% 1/6W	R530	1-247-892-00	CARBON	360K 5% 1/6W
R354	1-247-883-00	CARBON	150K 5% 1/6W	R531	1-247-707-11	CARBON	390 5% 1/4W
R356	1-247-857-00	CARBON	12K 5% 1/6W	R532	1-247-719-11	CARBON	3.3K 5% 1/4W
R357	1-247-849-00	CARBON	5.6K 5% 1/6W	R533	1-247-859-00	CARBON	15K 5% 1/6W
R358	1-249-432-11	CARBON	18K 5% 1/6W	R534	1-247-787-00	CARBON	15 5% 1/6W
R359	1-247-859-00	CARBON	15K 5% 1/6W	R535	1-247-783-00	CARBON	10 5% 1/6W
R360	1-246-517-00	CARBON	68K 5% 1/4W	R536	1-216-354-11	METAL OXIDE	2.7 5% 1W F
R362	1-247-717-11	CARBON	2.2K 5% 1/4W	R537	1-249-441-11	CARBON	100K 5% 1/6W



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R538	1-247-753-11	CARBON	1.2K 5% 1/2W F	R826	1-207-678-00	WIREWOUND 10 10% 5W F	
R539	1-249-440-11	CARBON	82K 5% 1/6W			<u>VARIABLE RESISTOR</u>	
R540	1-246-507-00	CARBON	27K 5% 1/4W	RV301	1-228-720-00	RES, ADJ, CERAMIC CARBON 1K	
R541	1-247-823-00	CARBON	470 5% 1/6W	RV302	1-228-724-00	RES, ADJ, CERAMIC CARBON 10K	
R542	1-216-435-11	METAL OXIDE	2.7K 5% 1W F	RV303	1-228-725-00	RES, ADJ, CERAMIC CARBON 22K	
R543	1-202-467-92	SOLID	3.3M 10% 1/4W	RV501	1-226-776-00	RES, ADJ, METAL GLAZE 220K	
R544	1-202-467-92	SOLID	3.3M 10% 1/4W	RV502	1-226-775-00	RES, ADJ, METAL GLAZE 100K	
R547	1-212-990-00	FUSIBLE	220 5% 1/2W F	RV503	1-230-522-11	RES, ADJ, METAL GLAZE 4.7K	
R548	1-216-350-11	METAL OXIDE	1.2 5% 1W F	RV558	1-228-720-00	RES, ADJ, CERAMIC CARBON 1K	
R549	1-247-807-00	CARBON	100 5% 1/8W F			<u>SPARK GAP</u>	
R550	1-246-537-00	CARBON	470K 5% 1/4W	SG801	1-519-063-XX	DISCHARGING GAP	
R551	1-217-383-00	FUSIBLE	4.7 5% 1/4W F			<u>TRANSFORMER</u>	
R552	1-217-383-00	FUSIBLE	4.7 5% 1/4W F	T301	1-426-121-00	DAT	
R553	1-210-859-00	CARBON	1.2 5% 1/8W F	T801	1-437-090-11	NOT	
R554	1-249-425-11	CARBON	4.7K 5% 1/6W	T802	1-439-332-42	TRANSFORMER ASSY, FLYBACK	
R555	1-249-421-11	CARBON	2.2K 5% 1/6W	T803	1-413-059-00	TRANSFORMER, FERRITE (DFT)	
R556	1-216-350-11	METAL OXIDE	1.2 5% 1W F			<u>THERMISTOR</u>	
R557	1-247-819-00	CARBON	330 5% 1/6W	TH501	1-806-213-00	THERMISTOR	
R558	1-247-883-00	CARBON	150K 5% 1/6W			<u>CRYSTAL</u>	
R559	1-247-719-11	CARBON	3.3K 5% 1/4W	X301	1-527-789-00	VIBRATOR, CRYSTAL	
R560	1-249-421-11	CARBON	2.2K 5% 1/6W			*****	
R571	1-247-895-00	CARBON	470K 5% 1/6W			*1-618-883-11 J1 BOARD	
R572	1-249-441-11	CARBON	100K 5% 1/6W			*****	
R573	1-247-903-00	CARBON	1M 5% 1/6W			<u>JACK</u>	
R574	1-247-903-00	CARBON	1M 5% 1/6W	CN901	1-507-657-00	JACK (LARGE TYPE)	
R575	1-247-177-00	CARBON	82K 5% 1/4W			<u>CONNECTOR</u>	
R578	1-247-704-11	CARBON	220 5% 1/4W	J1	*1-564-883-11	PLUG, CONNECTOR 6P	
R593	1-249-425-11	CARBON	4.7K 5% 1/6W			<u>RESISTOR</u>	
R594	1-249-433-11	CARBON	22K 5% 1/6W	R901	1-247-708-11	CARBON 470 5% 1/4W	
R595	1-247-859-00	CARBON	15K 5% 1/6W	R902	1-247-708-11	CARBON 470 5% 1/4W	
R596	1-247-843-00	CARBON	3.3K 5% 1/6W			*****	
R597	1-247-719-11	CARBON	3.3K 5% 1/4W			<u>MISCELLANEOUS</u>	
R598	1-247-849-00	CARBON	5.6K 5% 1/6W			*****	
R599	1-247-815-00	CARBON	220 5% 1/6W			1-451-255-31 DEFLECTION YOKE (SY-164)	
R800	1-215-886-11	METAL OXIDE	100 5% 2W F			1-452-032-00 MAGNET, DISK; 10MM $\phi$	
R801	1-216-345-11	METAL OXIDE	0.47 5% 1W F			1-452-094-00 MAGNET, ROTATABLE DISK; 15MM $\phi$	
R802	1-247-137-00	CARBON	1.8K 5% 1/4W			1-452-146-21 MAGNET, BMC	
R803	1-247-803-00	CARBON	68 5% 1/6W			1-452-391-21 NECK ASSY, CRT (NA305)	
R804	1-215-871-11	METAL OXIDE	2.2K 5% 1W F			1-536-817-31 TERMINAL BOARD ASSY, ANTENNA	
R805	1-215-866-11	METAL OXIDE	330 5% 1W F			1-551-270-11 CORD, POWER	
R806	1-202-838-00	SOLID	100K 10% 1/2W				
R807	1-202-824-00	SOLID	3.3K 10% 1/2W				
R808	1-202-826-00	SOLID	4.7K 10% 1/2W				
R809	1-244-925-00	CARBON	150K 5% 1/2W				
R810	1-210-859-00	CARBON	1.2 5% 1/8W F				
R811	1-249-448-11	CARBON	1.2 5% 1/4W F				
R812	1-247-270-00	CARBON	18K 5% 1/2W				
R813	1-215-883-11	METAL OXIDE	33 5% 2W F				
R814	1-246-537-00	CARBON	470K 5% 1/4W				
R817	1-216-379-11	METAL OXIDE	6.8 5% 2W F				
R820	1-215-884-11	METAL OXIDE	47 5% 2W F				
R821	1-215-870-11	METAL OXIDE	1.5K 5% 1W F				
R825	1-207-678-00	WIREWOUND	10 10% 5W F				

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.



Ref.No.	Part No.	Description	Remark
L901	A.1-426-278-11	COIL, DEMAGNETIZATION	
RV901	A.1-228-544-11	RESISTOR ASSY, HIGH-VOLTAGE	
RV902	A.1-237-280-11	RESISTOR ASSY, HIGH-VOLTAGE	
S901	A.1-554-762-21	SWITCH, PUSH (AC POWER)(1 KEY)	
V901	A.8-736-653-05	CRT (A64JKJ60X)	

\*\*\*\*\*

ACCESSORIES AND PACKING MATERIALS  
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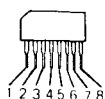
Part No.	Description	Remark
A-1470-758-A	COMMANDER ASSY (RM-635)	
X-4362-211-0	CASE (UPPER) ASSY, COMMANDER	
4-356-741-00	SCREW, TAPPING (BIND 2X5)	
4-361-943-00	PANEL, FRONT, COMMANDER	
4-361-944-21	SHEET, SILICON RUBBER	
4-361-945-00	COVER, BATTERY	
4-361-948-00	CASE (LOWER), COMMANDER	
4-361-988-02	BAG, PROTECTION	
4-363-613-00	CUSHION (UPPER) (ASSY)	
4-369-747-03	INDIVIDUAL CARTON	
4-369-749-01	CUSHION (LOWER)	
4-482-245-41	MANUAL, INSTRUCTION	

The components identified by shading and mark A are critical for safety. Replace only with part number specified.

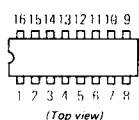


# SEMICONDUCTORS

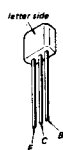
CX20061  
CX20106  
CX20106A



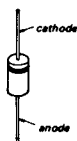
TDA1082  
TDA3541



2SA1175  
2SC2785



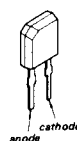
10E-2  
11E2  
ES1F  
GP08B  
RGP10G



1T22  
1T261



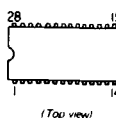
PH302B



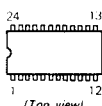
SLP144B



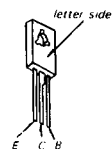
CX20199  
CX526-050  
SAA5230  
TC5564PL-15  
TC5565PL-15  
TDA3562A-N5



TDA3590A-N8

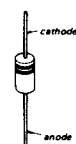


2SA1220A  
2SC2611  
2SC2688



1N4148  
1S1555  
1S2076  
1S2473  
EQA02-06AV3  
EQA02-07DV3  
EQA02-11CV3  
EQA02-12BV3  
ERD28-06S  
ERD28-08  
HZ12EB2  
HZ13EB2TD  
HZ30EB4  
HZ5.6EB2  
HZ7.5EB2  
ITT600  
RD10EL1  
RD10EL2  
RD12EB2  
RD13EB2  
RD3.9EL1  
RD30EB4  
RD5.6EB2  
RD5.6EN2  
RD6.2EN2  
RD6.8EN3  
RD7.5EB2

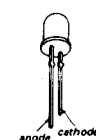
EQB01-13  
ERC24-06S  
SIB01-02



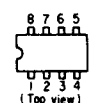
RB406NH



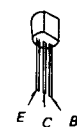
SLR-932A



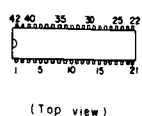
μPC4558C



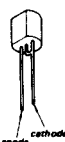
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2SB740  
2SC1474  
2SC1475  
2SC3504  
2SD788  
2SD789



CX523-117P



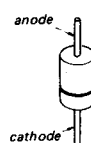
μPC574J  
μPC574J-G



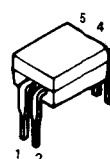
ERC26-15S



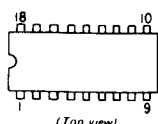
RGP15G  
RGP15J



TLP581



M50119P  
TDA2546A  
TDA2579

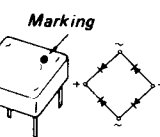
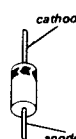


2SA1048  
2SA1115  
2SC2458  
2SC2603  
2SC403SP  
DTC124ES  
DTC144ES

2SB734  
2SC2958  
2SC2959  
2SD773  
2SD774

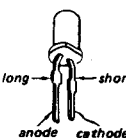


ERD29-08J

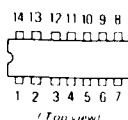


S3WB60Z  
S3WB60ZS

TLR124



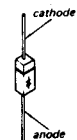
M58657P  
μPC1394C



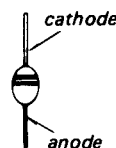
2SC2026



1S1555



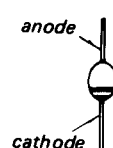
GH3F  
U05G



S6344G



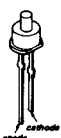
V19C  
V19E



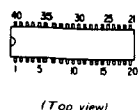
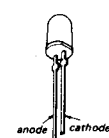
SAA5240A  
SAA5240B



GL-2AR1



SE303AY



STK-4362

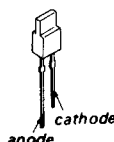
2SA1091  
2SA933S  
2SC1740  
2SC1740S  
2SC2551  
2SC945  
JA101  
JC501

2SD1497  
2SD1497-06

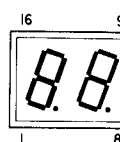


1SS119  
1SS120  
1SS133  
1SS148  
RD5.6ES

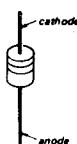
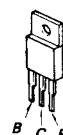
GL-9PR24



SL-1274



2SD795A

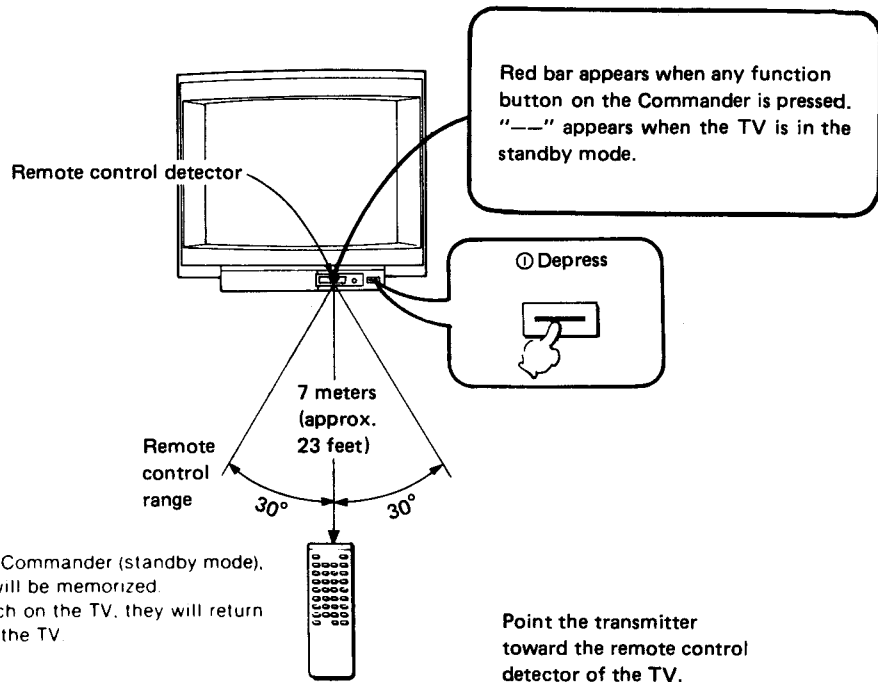




## SECTION 6

### REMOTE COMMANDER

#### 6-1. REMOTE TV OPERATION



If the TV is turned off with the Remote Commander (standby mode), the picture, color and sound settings will be memorized.  
If the TV is turned off with the ① switch on the TV, they will return to the levels fixed with the controls of the TV.

#### FUNCTION OF THE BUTTONS ON THE REMOTE COMMANDER

Each button has different functions for normal TV, teletext and VTR operations.

Functions for operating the TV are indicated in **white or black**.

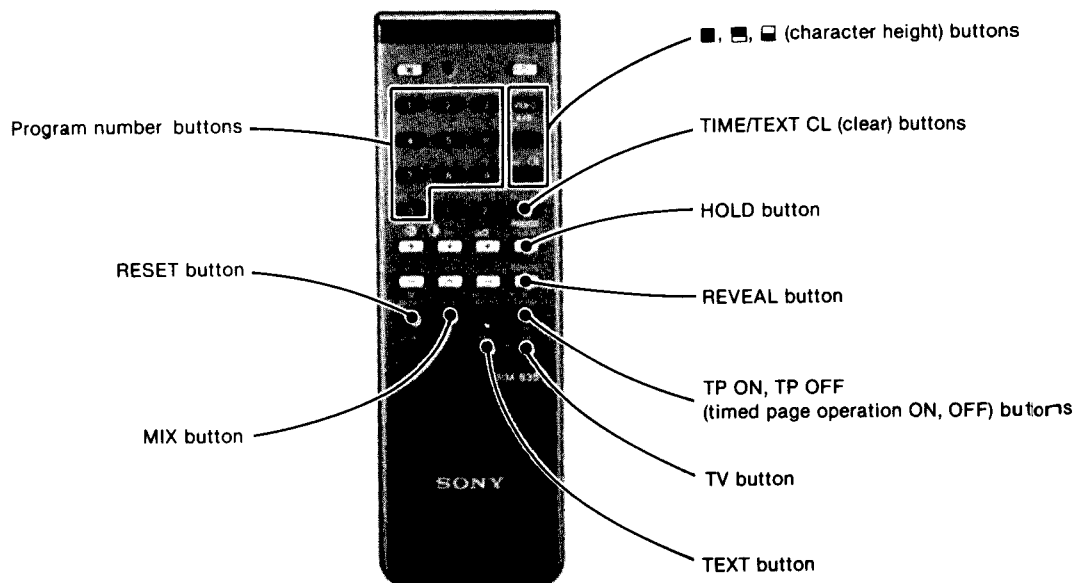
Functions for operating the video tape recorder\* are indicated in **brown**.

Functions for teletext operation using the optional **OPK-303** teletext adaptor are indicated in **green**.

\* This Remote Commander can control the Sony SL-F1E combined with the TT-F1 series tuner timer unit, and Sony SL-C9 series.

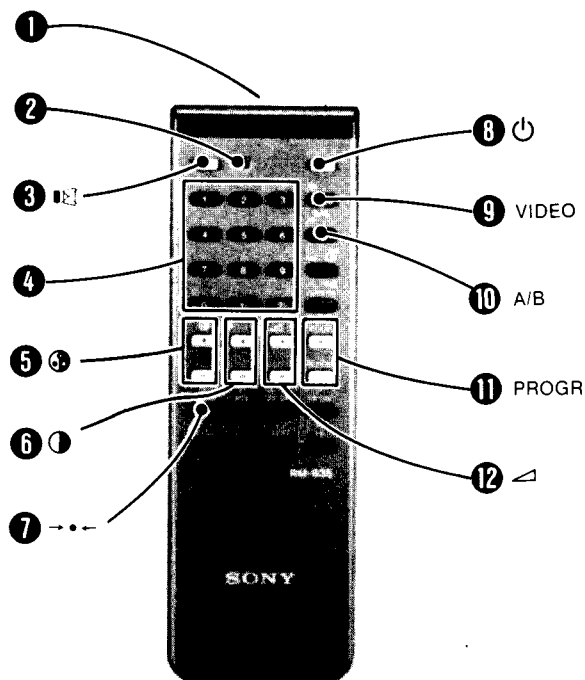
#### Buttons used for teletext operations

The following functions are for operating the TV as a teletext display by installing the optional Sony **OPK-303** teletext adaptor. For details, please consult a dealer prepared to install a teletext adaptor.





## Buttons used for normal TV operation



### 1 Transmitter

Point towards the remote control detector.

### 2 Pilot lamp

Lights when any button on the Remote Commander is pressed. If the lamp does not light when the button is pressed, battery replacement is required.

### 3 (sound mute) button

When you want to mute the sound (to answer the telephone, for instance), press this button. To restore the sound, press this button again.

### 4 Program number buttons

Programs are displayed by pressing the corresponding numbers. For programs 1 through 9, press the appropriate single-digit button.

For programs 10 through 19, press the **1-** button (the tens-digit "1" will blink on the program indicator), then the button corresponding to the last digit of the program number (the tens-digit will now stop blinking). For example:

for program 10, press **1-** and **0**.

for program 11, press **1-** and **1**.

For programs 20 to 29, press the **2-** button and then the single-digit button.

For program 30, press the **0** button.

**Note:** If you do not press a single-digit button within several seconds after pressing the **1-** or **2-** button, the previous program setting will be automatically recalled.

### 5 (color) buttons

Adjust the color intensity. Press the **+** button to increase it, or the **-** button to decrease it.

### 6 (picture) buttons

Press the **+** button to increase the picture contrast, or the **-** button to decrease it.

### 7 (normal) button

Press this button once instantly returns the color and contrast settings made with the **5** and **6** buttons on the Commander to the factory preset levels.

### 8 (standby) switch

Turns the TV in standby mode. Program indicator will show "—". To turn on the TV from the standby mode, press a program number button or **7** button on the Commander.

### 9 VIDEO button

This button is not usable for this TV. When this button is pressed, "AU" will momentarily light in the program indicator, but will immediately disappear.

### 10 A/B button

This button is not usable for this TV.

### 11 PROGR (program) buttons

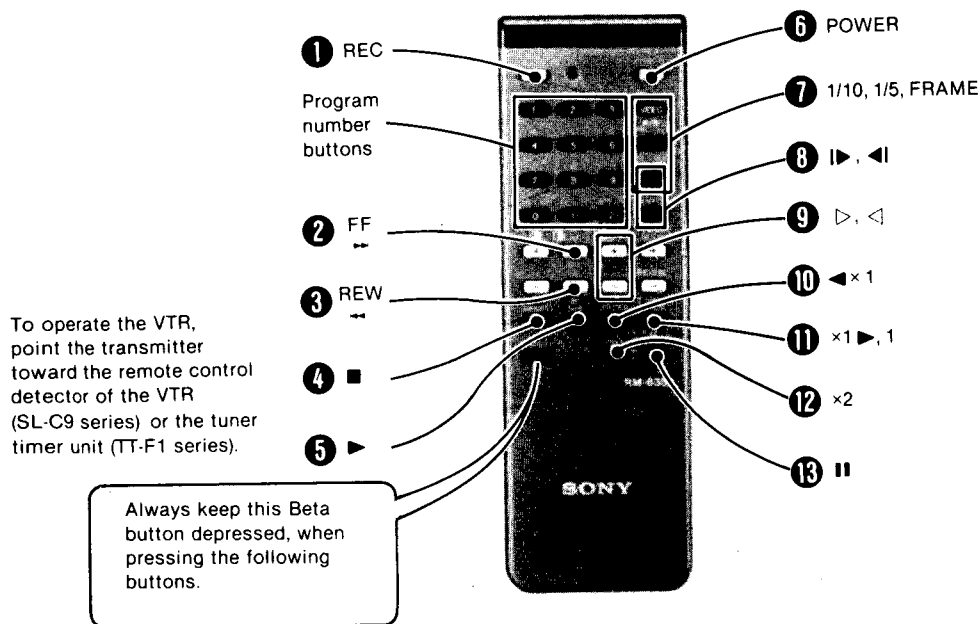
Function the same as the PROGR buttons on the TV.

### 12 (volume) buttons

Press the **+** button to increase the volume, or the **-** button to decrease it.



## Buttons used for VTR operations



### Buttons which have the same functions for both SL-C9 series and SL-F1E

#### 1 REC (record) button

Press to start recording.

#### 2 FF (fast-forward) button

Press to advance the tape rapidly. This button is also used for the forward picture-search operation.

#### 3 REW (rewind) button

Press to rewind the tape. This button is also used for the reverse picture-search operation.

#### 4 (stop) button

Press to stop the tape.

#### 5 (play) button

Press to play the tape back.

#### 6 POWER switch

Press to turn the video tape recorder (and the tuner timer unit) on or off.

#### 12 x2 (double-speed) button

Functions the same as the x2 button on the video tape recorder. Press to obtain a double-speed playback picture.

#### 13 (pause) button

Functions the same as the (PAUSE) button on the SL-C9 series and the (PAUSE) button on the SL-F1E. To release the pause mode, press this button again.

### Buttons used for the SL-C9 series

#### 7 Speed control buttons (1/10, 1/5, FRAME)

Function the same as the 1/10, 1/5 and FRAME of the SPEED CONTROL buttons on the recorder.

#### 8 (forward) and 9 (reverse) buttons

Select the direction of the speed control playback. Function the same as the (forward) and (reverse) buttons of the SPEED CONTROL buttons on the recorder.

#### 10 1 (normal speed) button

Functions the same as the 1 button of the SPEED CONTROL buttons on the recorder.

### Buttons used for the SL-F1E

#### 8 (forward slow motion) and 9 (reverse slow motion) buttons

Function the same as the (forward slow motion) and (reverse slow motion) buttons on the SL-F1E.

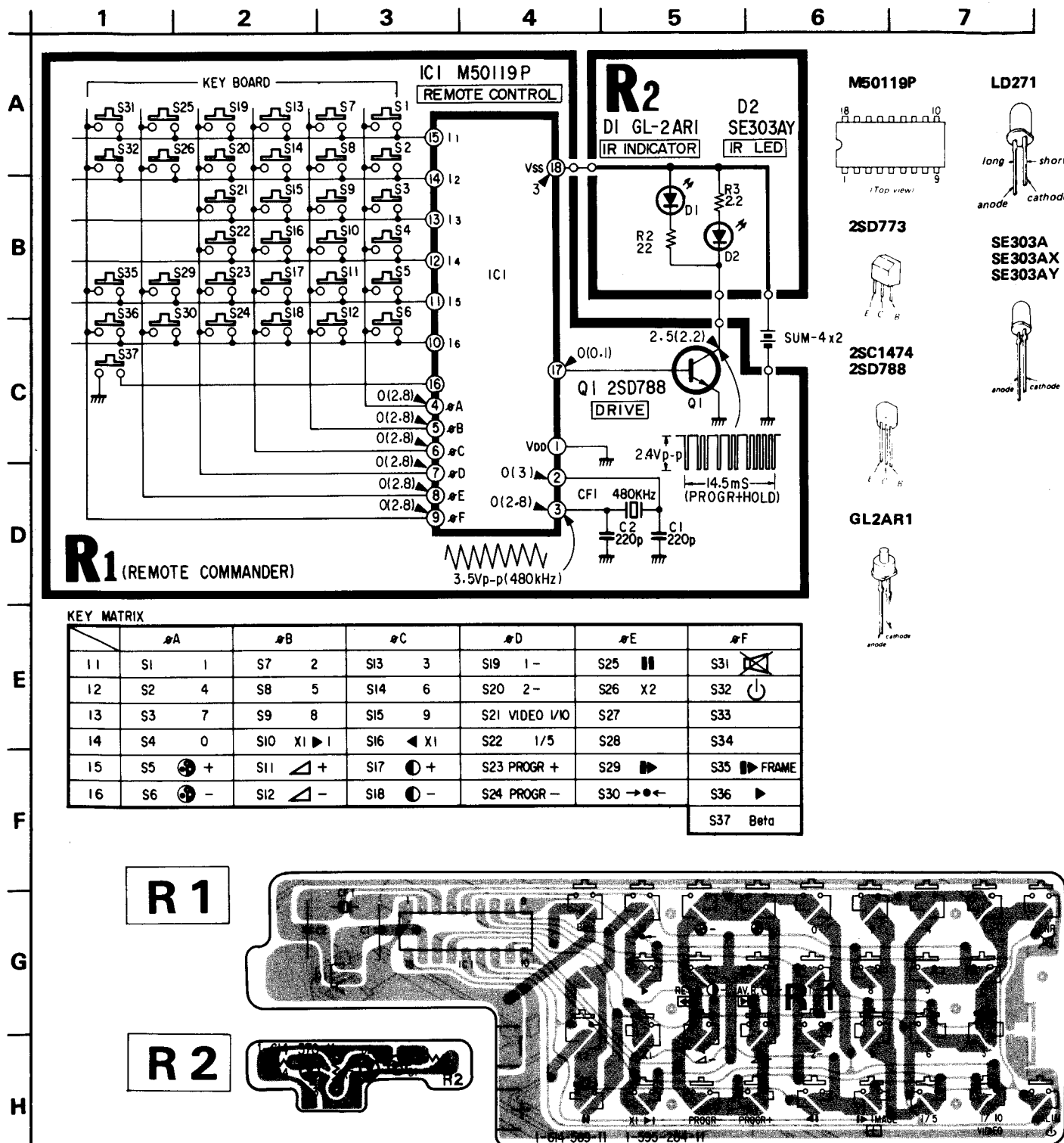
#### 10 (reverse x1) button and

#### 11 (forward x1) button

Function the same as the (reverse x1) and (forward x1) buttons on the SL-F1E.



## 6-2. DIAGRAMS



### Note:

- All capacitors are in  $\mu\text{F}$  unless otherwise noted. p :  $\mu\text{pF}$   
50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/6W unless otherwise noted.  
 $\text{k}\Omega = 1000\Omega$ ,  $\text{M}\Omega = 1000\text{k}\Omega$
- All voltages are in V.
- Voltages are dc with respect to ground unless otherwise noted.
- Reading are taken with a 10 M $\Omega$  digital multimeter.

- Voltages and waveform are for when **1** button is pressed.
- Voltages in ( ) are taken with button not pressed.
- Voltage variations may be noted due to normal production tolerances.
- — : B + bus.

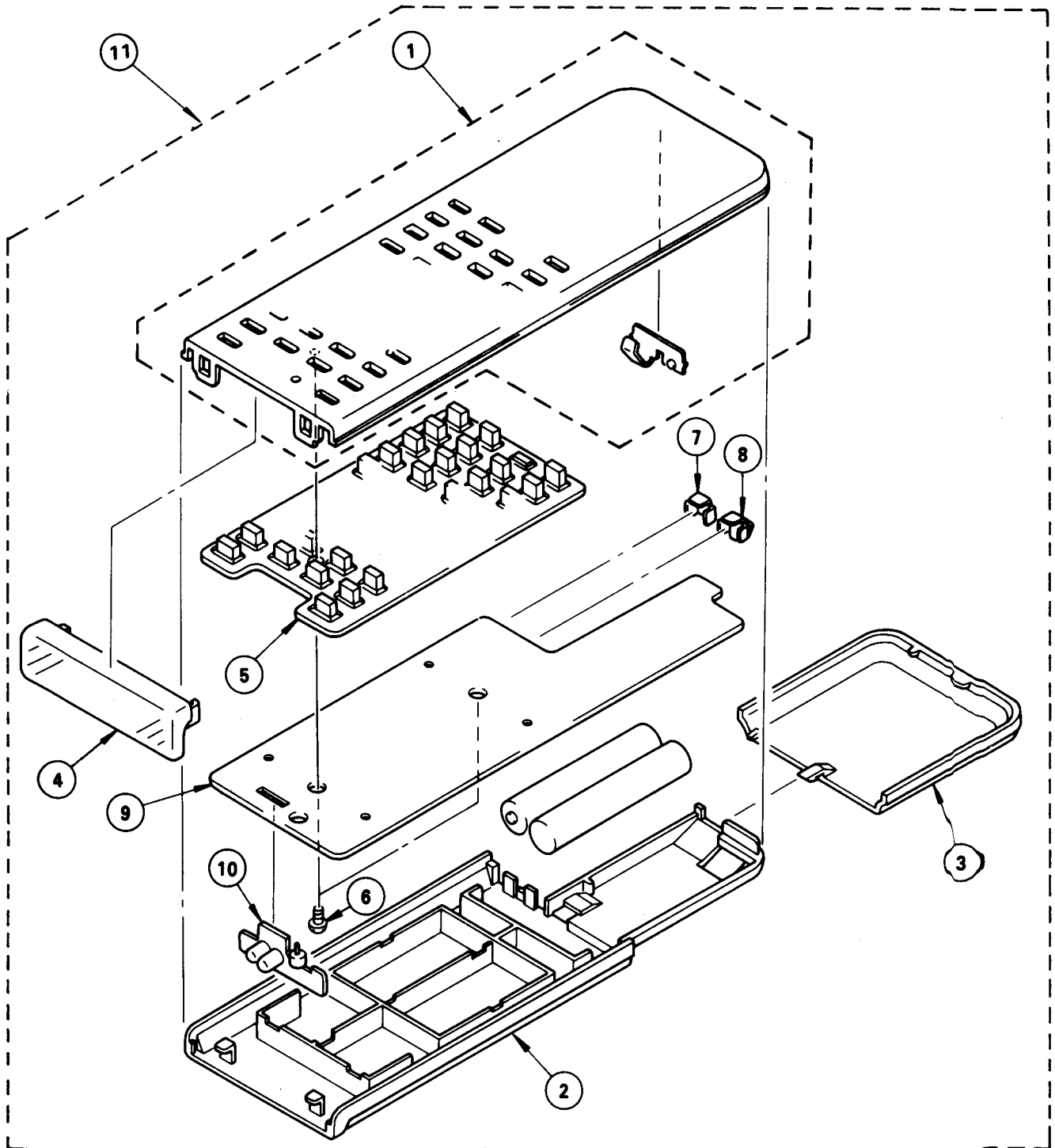


### 6-3. EXPLODED VIEW

**NOTE:**

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	X-4362-211-0	CASE (UPPER) ASSY, COMMANDER		6	4-356-741-00	SCREW, TAPPING (BIND 2X5)	
2	4-361-948-00	CASE (LOWER), COMMANDER		7	4-348-542-00	TERMINAL (A), BATTERY	
3	4-361-945-00	COVER, BATTERY		8	4-348-543-00	TERMINAL (B), BATTERY	
4	4-361-943-00	PANEL, FRONT, COMMANDER		9	*:1-614-569-11	R1 BOARD	
5	4-361-944-21	SHEET, SILICON RUBBER		10	*:1-614-570-11	R2 BOARD	
				11	A-1470-758-A	COMMANDER ASSY (RM-635)	1-10



R1
R2

#### 6.4. ELECTRICAL PARTS LIST

- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

When indicating parts by reference number, please include the board name.

- CAPACITORS
- MF :  $\mu$ F, PF :  $\mu\mu$ F
- RESISTORS
- All resistors are in ohms
- F : nonflammable

Ref.No.	Part No.	Description	Remark		
	*1-614-569-11	R1 BOARD *****			
	4-348-542-00	TERMINAL (A), BATTERY			
	4-348-543-00	TERMINAL (B), BATTERY			
		<u>CAPACITOR</u>			
C01	1-161-315-00	CERAMIC 220PF	10%	50V	
C02	1-161-315-00	CERAMIC 220PF	10%	50V	
		<u>FILTER</u>			
CF01	1-527-476-00	OSCILLATOR, CERAMIC			
		<u>IC</u>			
IC01	8-759-600-07	IC M50119P			
		<u>TRANSISTOR</u>			
Q01	8-729-378-84	TRANSISTOR 2SD788			
*****					
	*1-614-570-11	R2 BOARD *****			
		<u>DIODE</u>			
LED01	8-719-900-23	DIODE GL-2A1			
LED02	8-719-107-82	DIODE SE303AY			
		<u>RESISTOR</u>			
R02	1-247-791-00	CARBON 22 5%	1/6W		
R03	1-247-767-00	CARBON 2.2 5%	1/6W		



## HARDWARE NOMENCLATURE

Screw:

P 3 x 10

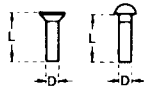
L: Length in mm

D: Diameter in mm

Type of head

Indicated slotted-head only.

Unless otherwise indicated, it means cross-recessed head (Phillips type).



Nut, Washer, Retaining ring:

N 3

Diameter of usable screw or shaft

Reference designation







Reference Designation	Shape	Description	Remarks
<b>SCREWS</b>			
P		pan-head screw	binding-head (B) screw for replacement
PWH		pan-head screw with washer face	binding-head (B) screw and flat washer for replacement
PS PSP		pan-head screw with spring washer	binding-head (B) screw and spring washer for replacement
PSW PSPW		pan-head screw with spring and flat washers	binding-head (B) screw and spring and flat washers for replacement
R		round-head screw	binding-head (B) screw for replacement
K		flat-countersunk-head screw	
RK		oval-countersunk-head screw	
B		binding-head screw	
T		truss-head screw	binding-head (B) screw for replacement
F		flat-fillister-head screw	
RF		fillister-head screw	
BV		brazier-head screw	

Reference Designation	Shape	Description	Remarks
<b>SELF-TAPPING SCREWS</b>			
TA		self-tapping screw	ex: TA, P 3 x 10
PTP		pan-head self-tapping screw	binding-head self-tapping (TA, B) screw for replacement
PTPWH		pan-head self-tapping screw with washer face	binding-head self-tapping (TA, B) screw and flat washer for replacement
PTTWH		pan-head thread-rolling screw with washer face	binding-head (B) screw and flat washer for replacement
<b>SET SCREWS</b>			
SC		set screw	
SC		hexagon-socket set screw	ex: SC 2.6 x 4, hexagon socket
<b>NUT</b>			
N		nut	
<b>WASHERS</b>			
W		flat washer	
SW		spring washer	
LW		internal-tooth lock washer	ex: LW3, internal
LW		external-tooth lock washer	ex: LW3, external
<b>RETAINING RINGS</b>			
E		retaining ring	
G		grip-type retaining ring	



**KV-27EXD**  
Chassis No. SCC-774A-A  
**KV-27EXTD**  
Chassis No. SCC-774C-A  
**RX-2 CHASSIS**

COMPONENTS IDENTIFIED BY SHADING AND MARK  
 ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED  
 VIEWS AND IN THE PARTS LIST ARE CRITICAL TO  
 SAFE OPERATION. REPLACE THESE COMPONENTS  
 WITH SONY PARTS WHOSE PART NUMBERS APPEAR  
 AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS  
 PUBLISHED BY SONY.

- All capacitors are in  $\mu\text{F}$  unless otherwise noted. p:  $\mu\text{F}$   
50WV or less are not indicated except for electrolytics.
- All resistors are in ohms, 1/6W unless otherwise noted.  
 $\text{k}\Omega = 1000\Omega$ ,  $\text{M}\Omega = 1000\text{k}\Omega$
-  : nonflammable resistor.
-  : fusible resistor
- $\triangle$  : internal component.
-  : panel designation.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- Readings are taken with a color-bar signal input.
- Voltages are dc with respect to ground unless otherwise noted.
- All voltages are in V.
- Readings are taken with a  $10\text{M}\Omega$  digital multimeter.
- Voltage variations may be noted due to normal production tolerances.
-  : B + bus.
-  : B - bus.
-  : signal path.

The schematic diagram illustrates the internal circuitry of a television set, organized into several functional sections:

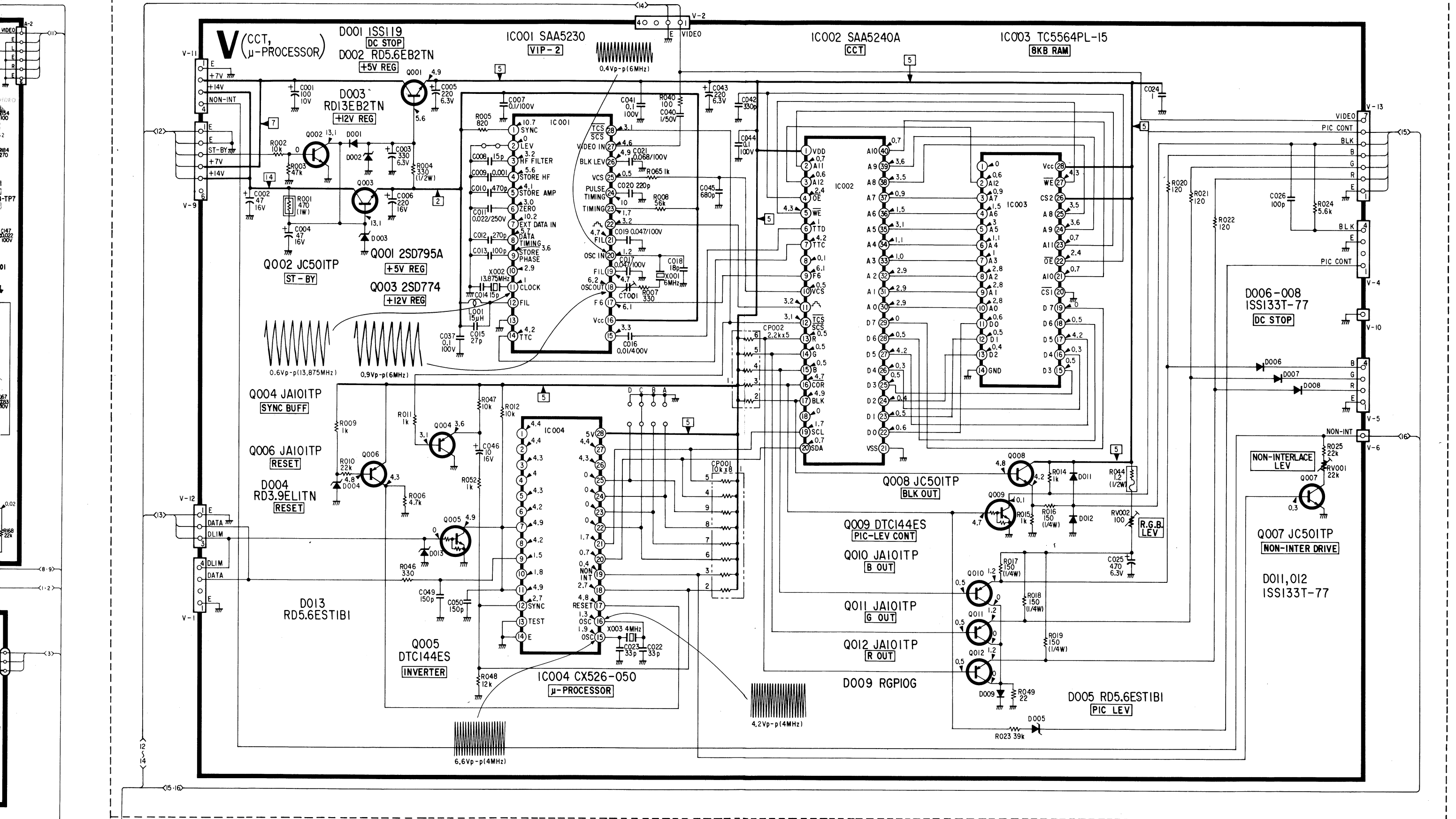
- Top Section (Indicators & Antenna):** Includes LEDs for channel indicators (LED406, LED405, LED401, LED402, LED404), a program indicator (LED401 SLI274), and an antenna terminal (ANT.) connected to the antenna input (A-1).
- Left Section (Controls & Protection):** Features a control panel with buttons for volume, fine, search, and automatic programming, along with a customer control indicator (H1) and a protection circuit (D401-407, 409).
- Center Section (Tuning & Video):** Contains the tuner (TU101 BT-883A), band switch (IC103 M54572L), and video amplifier (IC101 TDA2546A). It also includes a video pre-amplifier (Q104 DTC124ES) and a video filter (Q101 JC501).
- Right Section (Audio & Mute):** Includes an audio buffer (Q151, 52 JC501), audio amplifier (Q172 JA101), and a mute circuit (Q173 JC501, Q174 JC501, Q175 JC501).
- Bottom Section (Power & Remote Control):** Shows the power supply (D601 33W60Z, D602 25D1497, D603 25D1497, D604 25D1497, D605 25D1497, D606 25D1497, D607 25D1497, D608 25D1497, D609 25D1497, D610 25D1497, D611 25D1497, D612 25D1497, D613 25D1497, D614 25D1497, D615 25D1497, D616 25D1497, D617 25D1497, D618 25D1497, D619 25D1497, D620 25D1497, D621 25D1497, D622 25D1497, D623 25D1497, D624 25D1497, D625 25D1497, D626 25D1497, D627 25D1497, D628 25D1497, D629 25D1497, D630 25D1497, D631 25D1497, D632 25D1497, D633 25D1497, D634 25D1497, D635 25D1497, D636 25D1497, D637 25D1497, D638 25D1497, D639 25D1497, D640 25D1497, D641 25D1497, D642 25D1497, D643 25D1497, D644 25D1497, D645 25D1497, D646 25D1497, D647 25D1497, D648 25D1497, D649 25D1497, D650 25D1497, D651 25D1497, D652 25D1497, D653 25D1497, D654 25D1497, D655 25D1497, D656 25D1497, D657 25D1497, D658 25D1497, D659 25D1497, D660 25D1497, D661 25D1497, D662 25D1497, D663 25D1497, D664 25D1497, D665 25D1497, D666 25D1497, D667 25D1497, D668 25D1497, D669 25D1497, D670 25D1497, D671 25D1497, D672 25D1497, D673 25D1497, D674 25D1497, D675 25D1497, D676 25D1497, D677 25D1497, D678 25D1497, D679 25D1497, D680 25D1497, D681 25D1497, D682 25D1497, D683 25D1497, D684 25D1497, D685 25D1497, D686 25D1497, D687 25D1497, D688 25D1497, D689 25D1497, D690 25D1497, D691 25D1497, D692 25D1497, D693 25D1497, D694 25D1497, D695 25D1497, D696 25D1497, D697 25D1497, D698 25D1497, D699 25D1497, D700 25D1497, D701 25D1497, D702 25D1497, D703 25D1497, D704 25D1497, D705 25D1497, D706 25D1497, D707 25D1497, D708 25D1497, D709 25D1497, D710 25D1497, D711 25D1497, D712 25D1497, D713 25D1497, D714 25D1497, D715 25D1497, D716 25D1497, D717 25D1497, D718 25D1497, D719 25D1497, D720 25D1497, D721 25D1497, D722 25D1497, D723 25D1497, D724 25D1497, D725 25D1497, D726 25D1497, D727 25D1497, D728 25D1497, D729 25D1497, D730 25D1497, D731 25D1497, D732 25D1497, D733 25D1497, D734 25D1497, D735 25D1497, D736 25D1497, D737 25D1497, D738 25D1497, D739 25D1497, D740 25D1497, D741 25D1497, D742 25D1497, D743 25D1497, D744 25D1497, D745 25D1497, D746 25D1497, D747 25D1497, D748 25D1497, D749 25D1497, D750 25D1497, D751 25D1497, D752 25D1497, D753 25D1497, D754 25D1497, D755 25D1497, D756 25D1497, D757 25D1497, D758 25D1497, D759 25D1497, D760 25D1497, D761 25D1497, D762 25D1497, D763 25D1497, D764 25D1497, D765 25D1497, D766 25D1497, D767 25D1497, D768 25D1497, D769 25D1497, D770 25D1497, D771 25D1497, D772 25D1497, D773 25D1497, D774 25D1497, D775 25D1497, D776 25D1497, D777 25D1497, D778 25D1497, D779 25D1497, D780 25D1497, D781 25D1497, D782 25D1497, D783 25D1497, D784 25D1497, D785 25D1497, D786 25D1497, D787 25D1497, D788 25D1497, D789 25D1497, D790 25D1497, D791 25D1497, D792 25D1497, D793 25D1497, D794 25D1497, D795 25D1497, D796 25D1497, D797 25D1497, D798 25D1497, D799 25D1497, D800 25D1497, D801 25D1497, D802 25D1497, D803 25D1497, D804 25D1497, D805 25D1497, D806 25D1497, D807 25D1497, D808 25D1497, D809 25D1497, D810 25D1497, D811 25D1497, D812 25D1497, D813 25D1497, D814 25D1497, D815 25D1497, D816 25D1497, D817 25D1497, D818 25D1497, D819 25D1497, D820 25D1497, D821 25D1497, D822 25D1497, D823 25D1497, D824 25D1497, D825 25D1497, D826 25D1497, D827 25D1497, D828 25D1497, D829 25D1497, D830 25D1497, D831 25D1497, D832 25D1497, D833 25D1497, D834 25D1497, D835 25D1497, D836 25D1497, D837 25D1497, D838 25D1497, D839 25D1497, D840 25D1497, D841 25D1497, D842 25D1497, D843 25D1497, D844 25D1497, D845 25D1497, D846 25D1497, D847 25D1497, D848 25D1497, D849 25D1497, D850 25D1497, D851 25D1497, D852 25D1497, D853 25D1497, D854 25D1497, D855 25D1497, D856 25D1497, D857 25D1497, D858 25D1497, D859 25D1497, D860 25D1497, D861 25D1497, D862 25D1497, D863 25D1497, D864 25D1497, D865 25D1497, D866 25D1497, D867 25D1497, D868 25D1497, D869 25D1497, D870 25D1497, D871 25D1497, D872 25D1497, D873 25D1497, D874 25D1497, D875 25D1497, D876 25D1497, D877 25D1497, D878 25D1497, D879 25D1497, D880 25D1497, D88







## KV-27EXTD ONLY









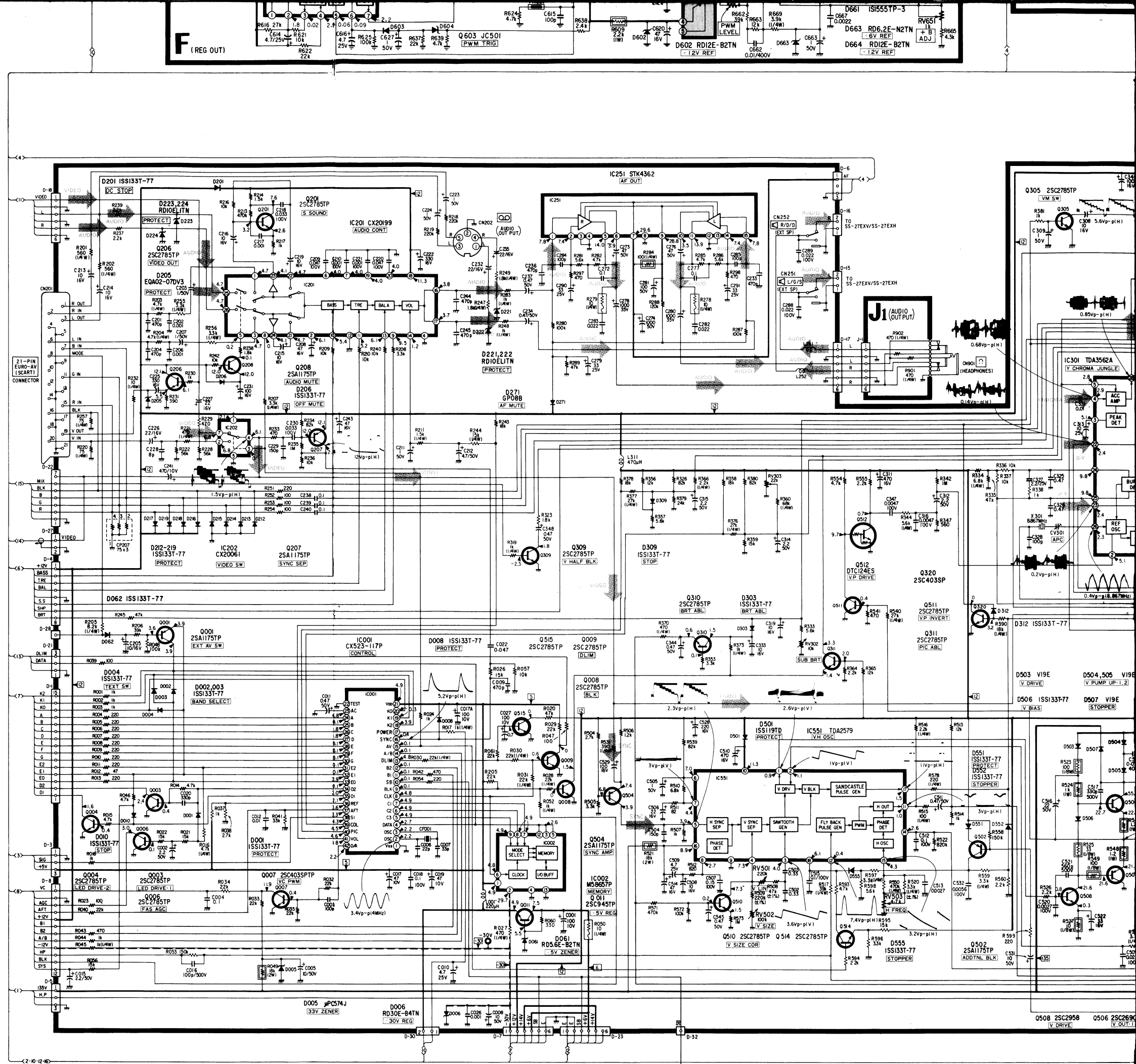
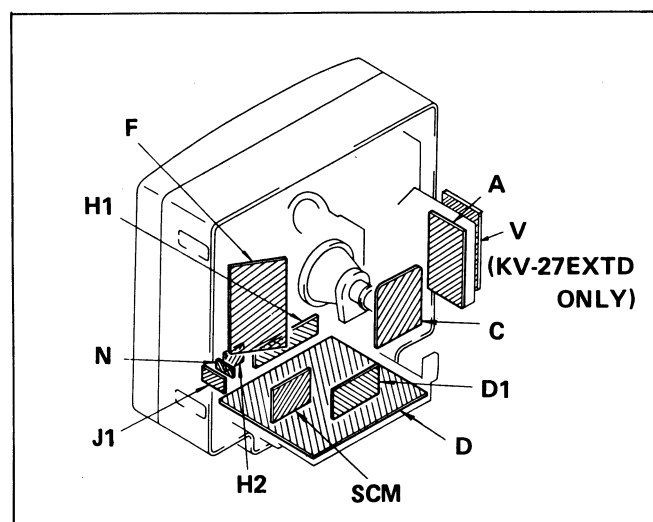




• → : signal path.

K  
L  
M  
N  
O  
P  
Q  
R  
S  
T  
U

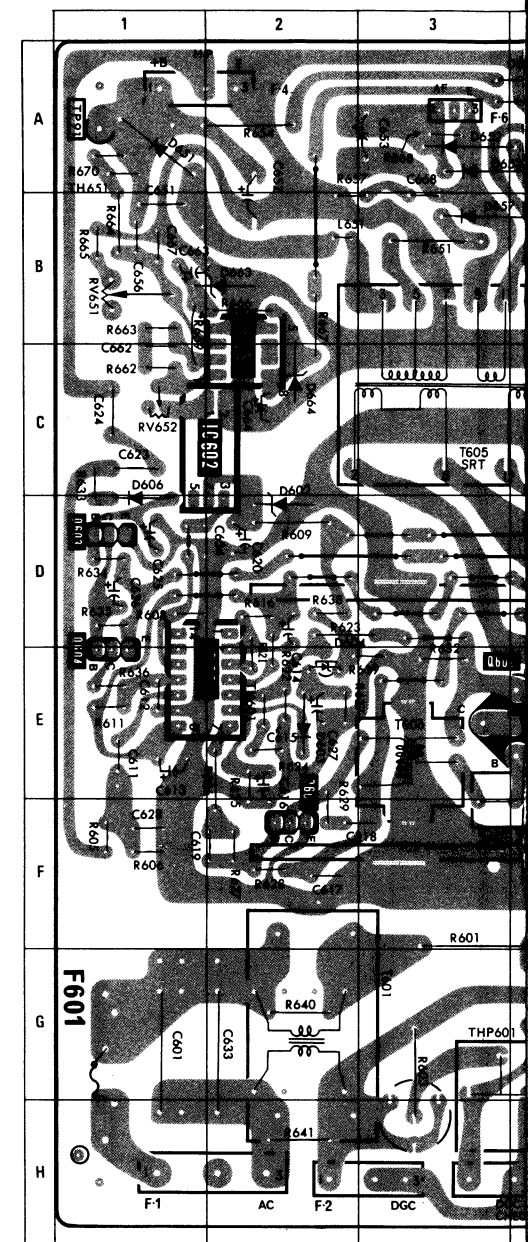
# CIRCUIT BOARDS LOCATION





**D** [POWER CONTROL, CHROMA PROCESS,  
AUDIO CONTROL, MEMORY

**F** [REG OUT]



**SUB COLOR ADJUSTMENT**      **RV303 = F-12**

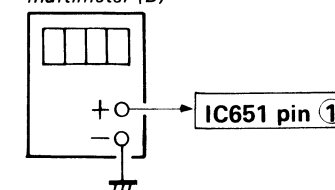
SUB BRIGHT	RV302 = F-11
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## CIRCUIT ADJUSTMENTS

PWM LEVEL	RV652 = C-1
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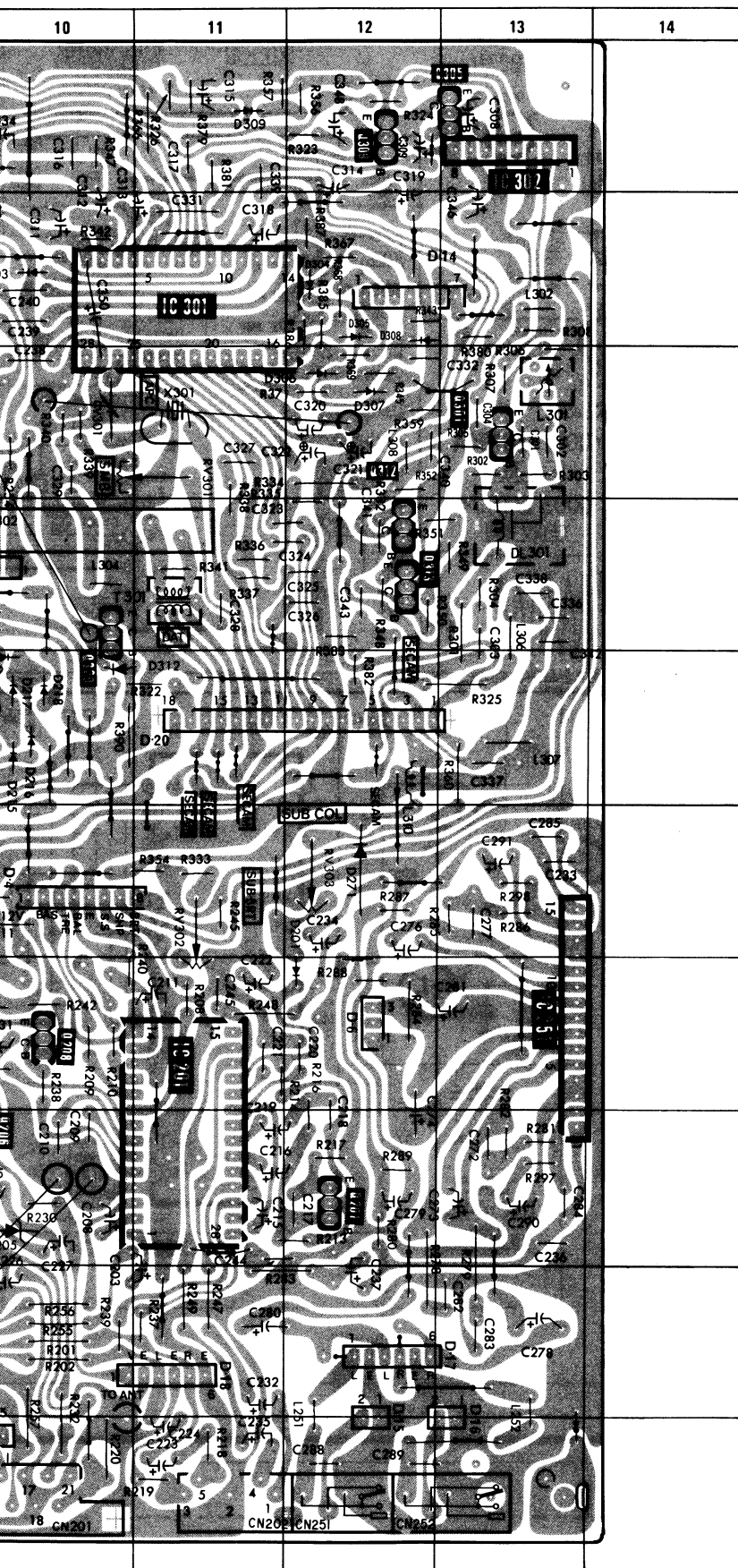
1. Adjust RV652 so that the digital multimeter (B) reads  $+3.0V \pm 0.1Vdc$ .

digital  
multimeter (B)

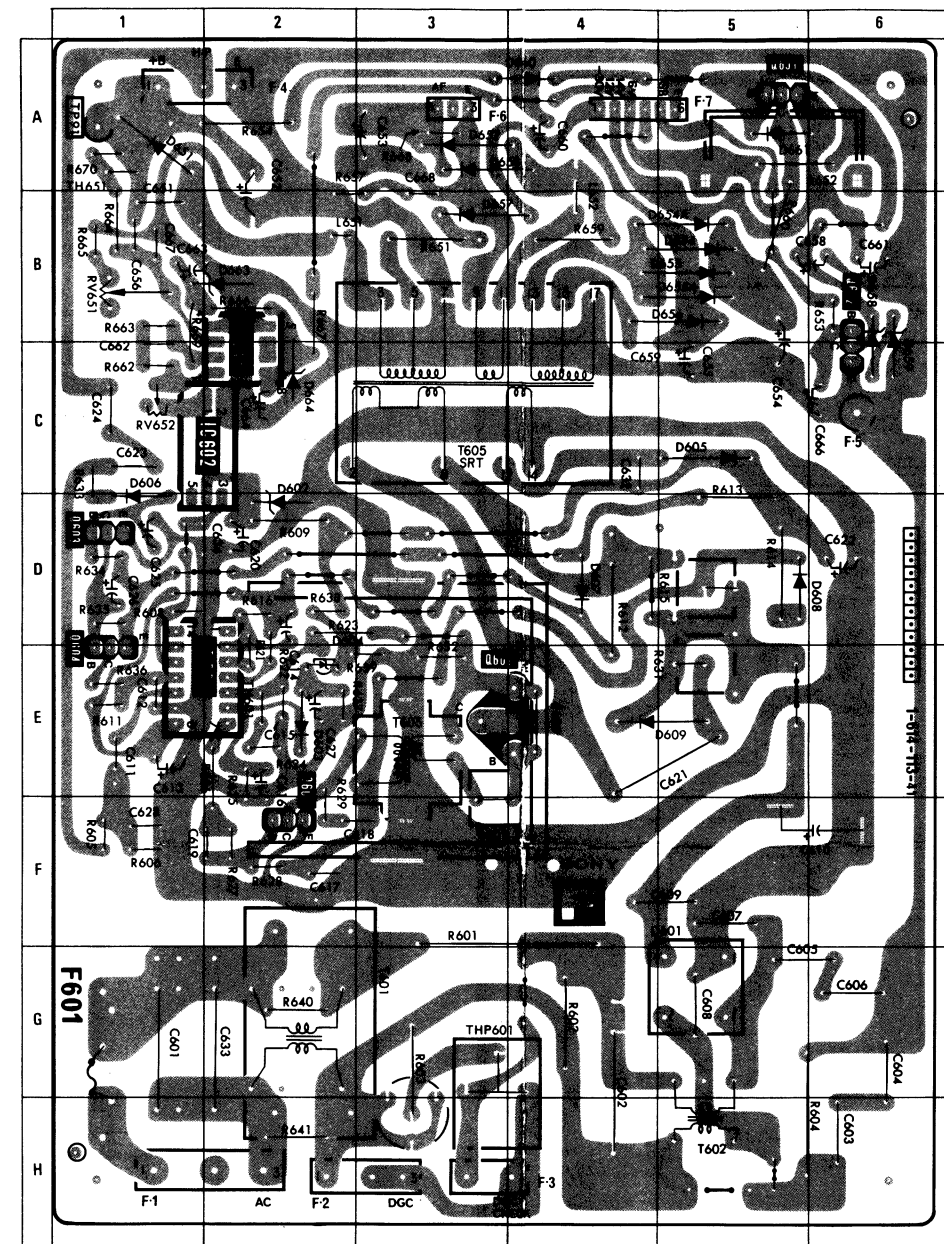


**SCM** [SCM-KILLER, PAL-SECAM T





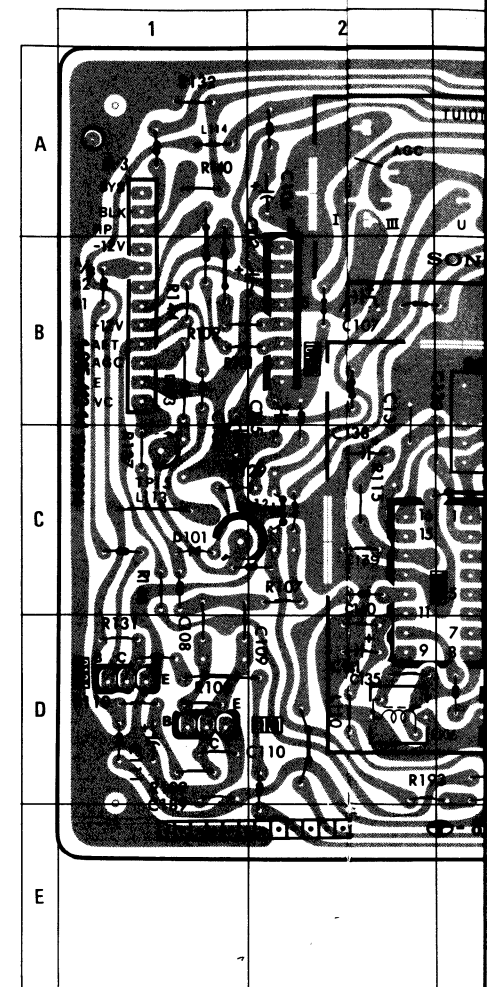
**F** [REG OUT]



**F**

CAPACITOR			
C601	G-1	D652	A-3
C602	G-4	D653	A-3
C603	H-6	D654	B-5
C604	G-6	D655	B-5
C605	F-5	D656	B-3
C606	G-6	D657	B-6
C607	F-5	D658	C-6
C608	G-5	D659	A-4
C609	F-4	D660	A-5
C610	F-6	D663	B-2
		D664	C-2
		D654A	B-1
		D655A	B-1
C611	E-1		
C612	E-1		
C613	E-1		
C614	E-2		
C615	E-2		
C616	E-2		
C617	F-2		
C618	F-2		
C619	F-1		
C620	D-2		
C621	E-5		
C622	D-6		
C623	C-1		
C624	C-1		
C625	D-1		
C626	D-1		
C627	E-2		
C628	F-1		
C632	C-4		
C633	G-2		
C634	D-2		
C651	A-1		
C652	A-2		
C653	A-3		
C654	C-5		
C655	C-5		
C656	B-1		
C658	B-5		
C659	C-4		
C660	A-4		
C661	B-6		
C662	C-1		
C663	B-1		
C664	C-2		
C666	C-6		
C667	B-1		
C668	A-3		
DIODE			
D601	F-5		
D602	C-2		
D603	E-2		
D604	E-2		
D605	C-5		
D606	C-1		
D607	D-4		
D608	D-6		
D609	E-5		
D651	A-1		
CONNECTOR			
F1	H-1		
F2	H-2		
F3	H-4		
F4	A-2		
F5	C-6		
F6	A-3		
F7	A-5		
FUSE			
F601	G-1		
IC			
IC601	E-2		
IC602	C-2		
IC651	B-2		
COIL			
L601	F-3		
L651	B-2		
L652	A-4		
TRANSISTOR			
Q601	E-2		
Q602	E-3		
Q603	D-1		
Q604	D-1		
Q651	A-5		
Q652	B-6		
RESISTOR			
R601	F-3		
R602	G-4		
R603	G-3		
R604	H-6		
R605	F-1		
R606	F-1		
R608	D-1		
R609	D-2		
R611	E-1		
R612	D-4		
R613	C-5		
R614	D-5		
R615	D-5		
R616	D-2		
R621	D-2		
R622	D-2		
R623	D-2		
R624	E-2		
R625	E-2		
R626	E-2		
R627	F-2		
R628	F-2		
R629	E-2		
R630	E-4		
R631	E-5		
R632	E-3		
R633	C-1		
R634	D-1		
R635	D-1		
R636	E-1		
R637	E-3		
R638	D-2		
R639	E-3		
R640	G-2		
R641	H-2		
R651	B-3		
R652	A-6		
R653	B-6		
R654	A-2		
R657	A-2		
R659	B-4		
R660	B-5		
R662	C-1		
R663	B-1		
R664	B-1		
R665	B-1		
R666	B-2		
R667	B-2		
R668	A-3		
R669	B-1		
R670	A-1		
VARIABLE RESISTOR			
RV651	B-1		
RV652	C-1		
TRANSFORMER			
T601	G-3		
T602	H-5		
T603	E-3		
T605	C-3		
THERMISTOR			
TH601	E-2		
TH651	A-1		
THP601	G-3		

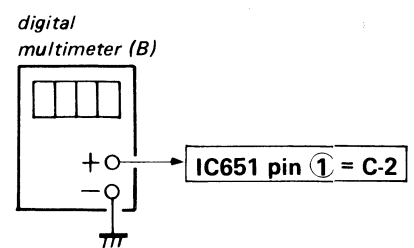
**A** [BAND SW, QUASI, ID, SIF, VIF, AFT, MATRIX]



# CIRCUIT ADJUSTMENTS

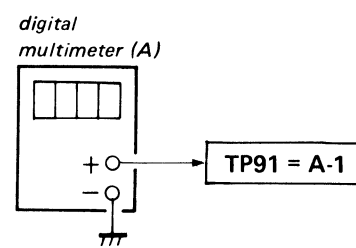
**PWM LEVEL** RV652 = C-1

- Adjust RV652 so that the digital multimeter (B) reading  $+3.0V \pm 0.1V_{dc}$ .

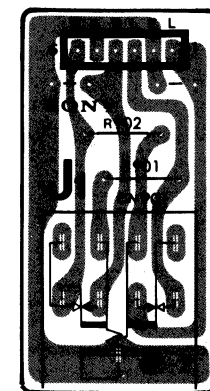


**+135V ADJUSTMENT** RV651 = B-1

- Adjust RV651 so that the digital multimeter (A) reading is  $+135V \pm 0.5V_{dc}$ .



**J1** [AUDIO OUTPUT]



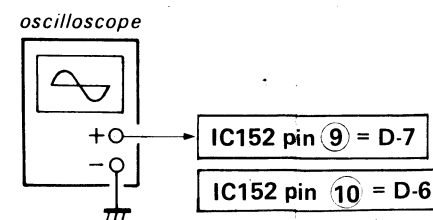
# CIRCUIT ADJUSTMENT

**TU. AGC ADJUSTMENT** RV101 = C-3

- Tune in an off-air signal.
- Adjust RV101 so that snow noise modulation disappear from the picture.

**SEPARATION ADJUSTMENT** RV151 = C

- Receive a stereo signal (L-CH 1 kHz, R-CH 1 kHz).
- Confirm the stereo indicator.
- Confirm the output 1 kHz signal at pin 9 of IC152.
- Adjust RV151 so that minimum 1 kHz signal is present at pin 10 of IC152.



**SIF ADJUSTMENT** L105 = D-5

- Tune in an off-air signal.
- Adjust L105 for maximum clear-sound.

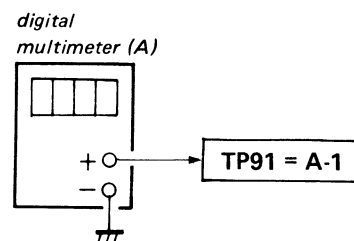
**SCM** SCM-KILLER, Y DRIVE, PAL-SECAM TRANSCODER



3) *reading*

RV651 = B-1

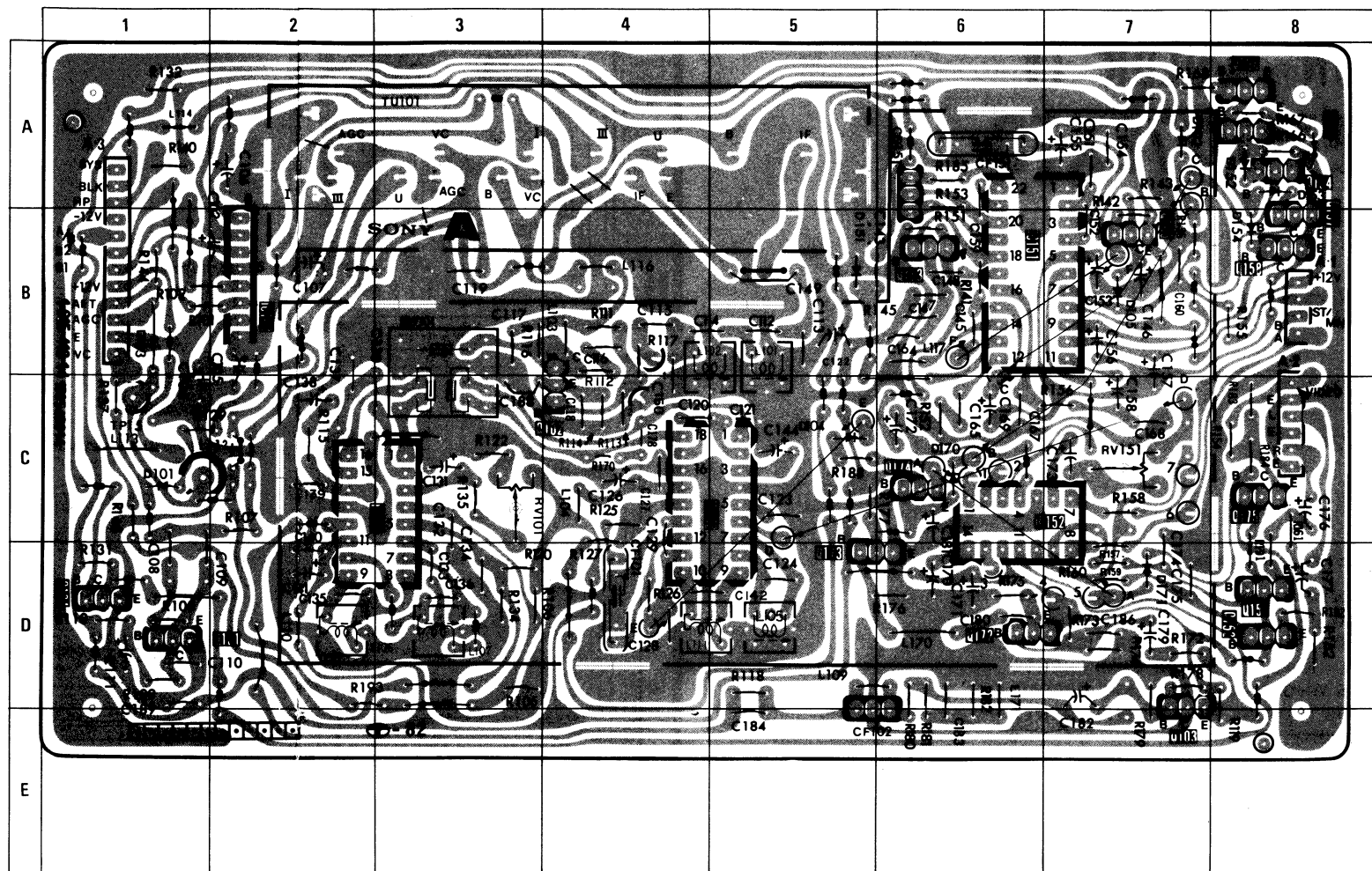
1. Adjust RV651 so that the digital multimeter (A) reading is  $+135V \pm 0.5V_{dc}$ .



**= C-2**

Y DRIVE,  
TRANSCODER

[BAND SW, QUASI, ID,  
SIF, VIF, AFT, MATRIX



**A**

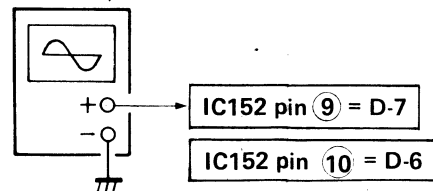
## RV101 = C-3

1. *Tune in an off-air signal.*
2. *Adjust RV101 so that snow noise and cross-modulation disappear from the picture.*

## RV151 = C-7

1. Receive a stereo signal (L-CH 1 kHz, R-CH 400 Hz).
2. Confirm the stereo indicator.
3. Confirm the output 1 kHz signal at pin (9) of IC152.
4. Adjust RV151 so that minimum 1 kHz signal at pin (10) of IC152.

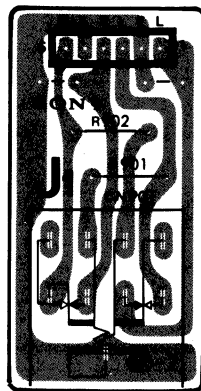
*oscilloscope*



**L105 = D-5**

1. Tune in an off-air signal.
2. Adjust L105 for maximum clear-sound.

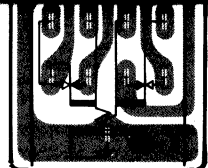
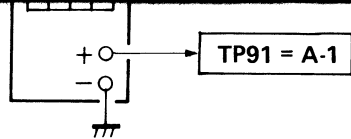
**J1** [AUDIO  
OUTPUT]



CONNECTOR		C135 D-2 C136 D-3 C137 B-2 C138 B-2 C139 C-2 C140 C-2 C141 D-2 C142 D-5 C143 B-5 C144 C-5	C180 D-6 C181 C-6 C182 D-7 C183 D-6 C184 D-5 C186 D-7 C188 C-3 C189 D-1	COIL		RESISTOR		R152 C-6 R153 A-6 R154 C-7	SAW FILTER	
A1 B-8 A2 B-8 A3 A-1				L101 B-5 L102 B-4 L103 B-4 L104 C-4 L105 D-5 L106 D-2 L107 D-3 L109 D-5 L110 D-2 L111 D-4 L113 C-1	R101 B-1 R102 B-1 R105 D-3 R106 D-3 R107 C-2 R108 D-1 R109 D-1 R110 D-1 R111 B-4 R112 B-4		R155 B-8 R156 C-6 R157 C-7 R158 C-7 R159 D-7 R160 D-7 R161 C-8 R162 D-8 R166 A-8 R167 A-8	SWF101B-3		
CAPACITOR			FILTER						TUNER	
C102 A-1 C104 B-1 C105 B-1 C106 A-2 C107 B-2 C108 C-1 C109 D-2 C110 D-1 C111 D-1 C112 B-5	C145 B-6 C146 B-7 C147 B-6 C148 B-6 C149 B-5 C150 C-4 C151 A-7 C152 A-7 C153 B-7 C154 A-7	CD151 A-6 CF101 C-4 CF102 D-5 CF151 A-6	DIODE						TU101 A-3	
C113 B-5 C114 B-4 C115 B-4 C116 B-4 C117 B-3 C118 C-4 C119 B-3 C120 C-4 C122 B-5 C123 C-5	C155 A-7 C156 B-7 C157 B-7 C158 C-7 C159 B-6 C160 B-7 C164 B-6 C165 C-6 C167 C-6 C168 C-7	D101 C-1 D102 A-7 D103 B-1 D104 C-5 D105 B-7 D151 A-5 D152 A-8 D153 A-8 D154 B-8 D170 C-6 D171 D-7	TRANSISTOR							
C124 D-5 C126 C-4 C127 C-4 C128 D-4 C129 C-4 C130 B-2 C131 C-3 C132 C-3 C133 D-3 C134 C-3	C169 C-6 C170 D-6 C171 D-6 C172 C-6 C173 C-7 C174 C-7 C175 C-7 C176 C-8 C177 D-8 C179 D-7	IC101 C-2 IC102 C-4 IC103 B-2 IC151 B-6 IC152 C-6		Q101 D-2 Q102 C-3 Q103 D-7 Q104 D-1 Q105 B-7 Q151 D-8 Q152 D-8 Q153 B-6 Q154 A-8 Q155 A-8	R126 D-4 R127 C-4 R129 C-1 R131 C-1 R132 A-3 R134 C-3 R135 C-7 R136 C-1 R137 C-1 R140 A-1	R168 A-7 R172 D-7 R173 D-7 R174 D-7 R175 D-6 R176 D-5 R177 C-6 R178 D-7 R179 D-7 R180 D-6	R181 D-6 R182 D-6 R183 C-8 R184 C-8 R185 A-6 R188 C-5 R191 C-8 R192 D-8 R193 D-2			
			IC		Q156 A-8 Q157 A-8 Q158 B-8 Q172 D-6 Q173 C-5 Q174 C-6 Q175 C-8	R141 B-6 R142 A-7 R143 A-7 R144 B-1 R145 B-5 R146 C-1 R151 A-6	VARIABLE RESISTOR	RV101 C-3 RV151 C-7		



= C-2



IC152 pin 10 = D-6

SIF ADJUSTMENT

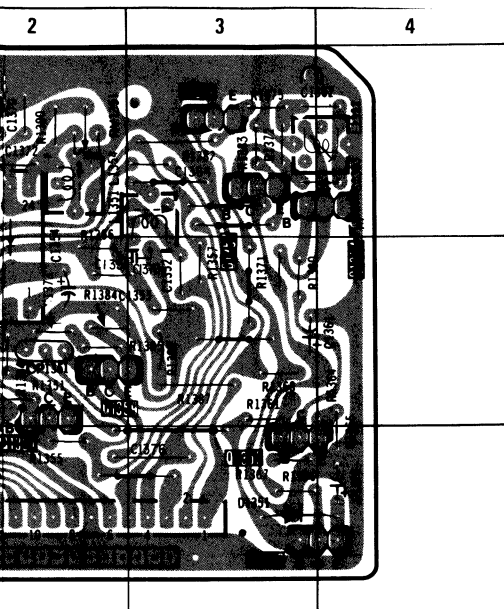
L105 = D-5

1. Tune in an off-air signal.
2. Adjust L105 for maximum clear-sound.

C124 D-5	C168 C-6	D170 C-8	Q151 D-8	R134 D-3	R184 A-6
C126 C-4	C169 C-6	D171 D-7	Q152 D-8	R135 C-3	R185 A-6
C127 C-4	C170 D-6	IC	Q153 B-6	R136 A-7	R188 C-5
C128 D-4	C171 D-6	IC101 C-2	Q154 A-8	R137 C-1	R191 C-8
C129 C-4	C172 C-6	IC102 C-4	Q155 A-8	R140 A-1	R192 D-8
C130 B-2	C173 C-7	IC103 B-2	Q156 A-8	R141 B-6	R193 D-2
C131 C-3	C174 C-7	IC151 B-6	Q157 A-8	R142 A-7	
C132 C-3	C175 D-7	IC152 C-6	Q158 B-8	R143 A-7	
C133 D-3	C176 C-8		Q172 D-6	R144 B-1	
C134 C-3	C177 D-8		Q173 C-5	R145 B-5	
	C179 D-7		Q174 C-6	R146 C-1	
			Q175 C-8	R151 A-6	

VARIABLE RESISTOR	
RV101 C-3	
RV151 C-7	

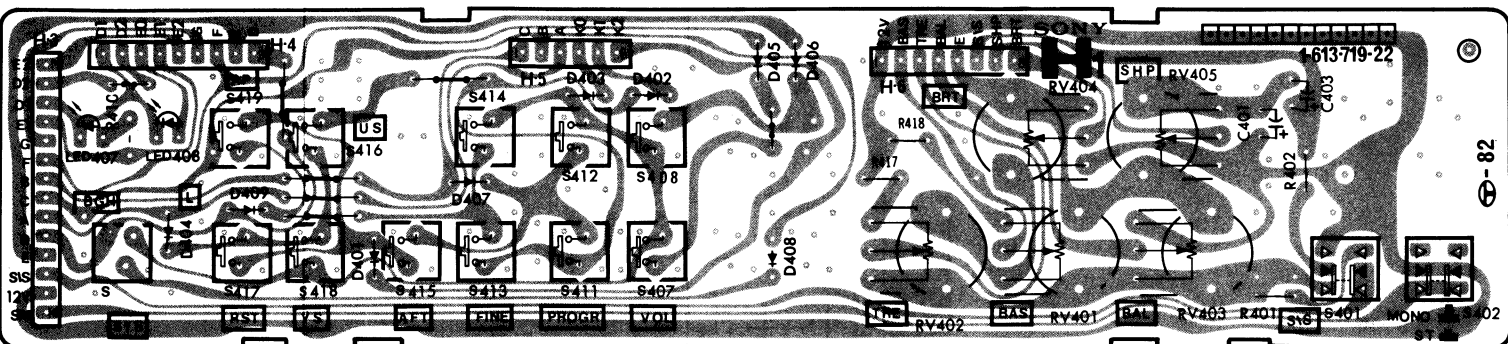
Y DRIVE,  
TRANS CODER



CONNECTOR	DIODE	RESISTOR
SCM-1 C-1	D1351 C-3	R1351 B-2
		R1352 B-2
		R1353 B-2
		R1354 B-2
		R1355 C-2
		R1356 A-2
		R1357 B-3
		R1361 B-3
		R1364 B-4
		R1365 B-4
CAPACITOR	IC	
C1351 B-2	IC1351 B-1	
C1352 B-3		
C1353 B-2		
C1354 B-2		
C1355 B-1		
C1356 B-2		
C1357 B-1		
C1358 B-1		
C1359 C-1		
C1360 C-1		
	COIL	
	L1351 A-2	
	L1352 A-4	
	L1353 A-1	
	L1354 A-2	
	TRANSISTOR	
C1361 B-4	Q1351 C-2	R1367 C-3
C1362 A-3	Q1352 C-3	R1368 B-3
C1363 A-4	Q1354 B-4	R1371 B-3
C1364 A-3	Q1356 A-3	R1372 A-3
C1366 A-1	Q1357 B-3	R1373 A-1
C1367 A-1	Q1358 B-2	R1374 A-1
C1368 A-1	Q1359 B-2	R1375 A-3
C1369 A-2	Q1360 C-3	R1380 B-3
C1370 A-2		R1382 A-3
C1371 A-2		R1383 A-3
		R1384 B-2
		R1385 B-3
		R1386 C-3
		R1387 B-3
		R1388 B-3
		R1389 B-1
		R1390 A-2
		VARIABLE RESISTOR
		RV1351A-2

H1

INDICATOR,  
CUSTOMER CONTROL



V

[CCT,  $\mu$ -PROCESSOR] KV-27EXTD ONLY

D1

[PIN CTRL, Y BOW]

MENTS

ENT L1352 = A-4

W signal at pin ④ of D-20 con-

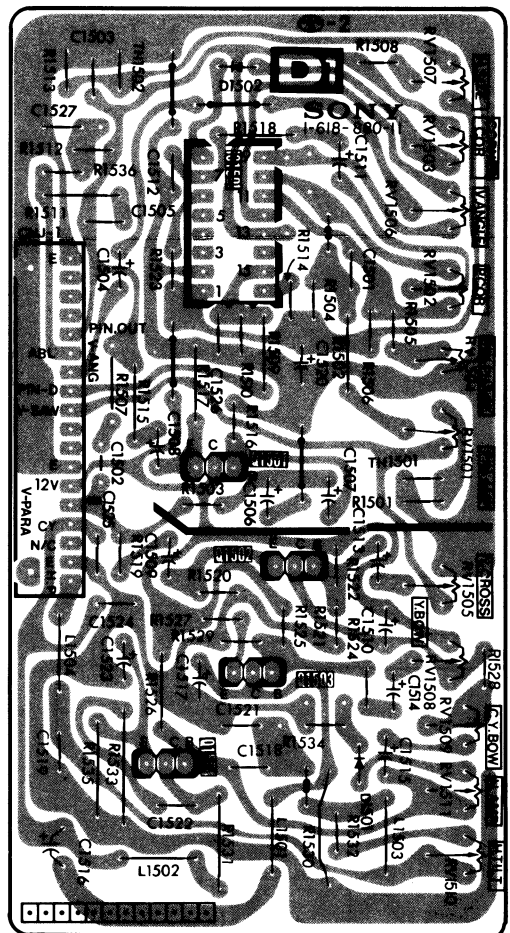
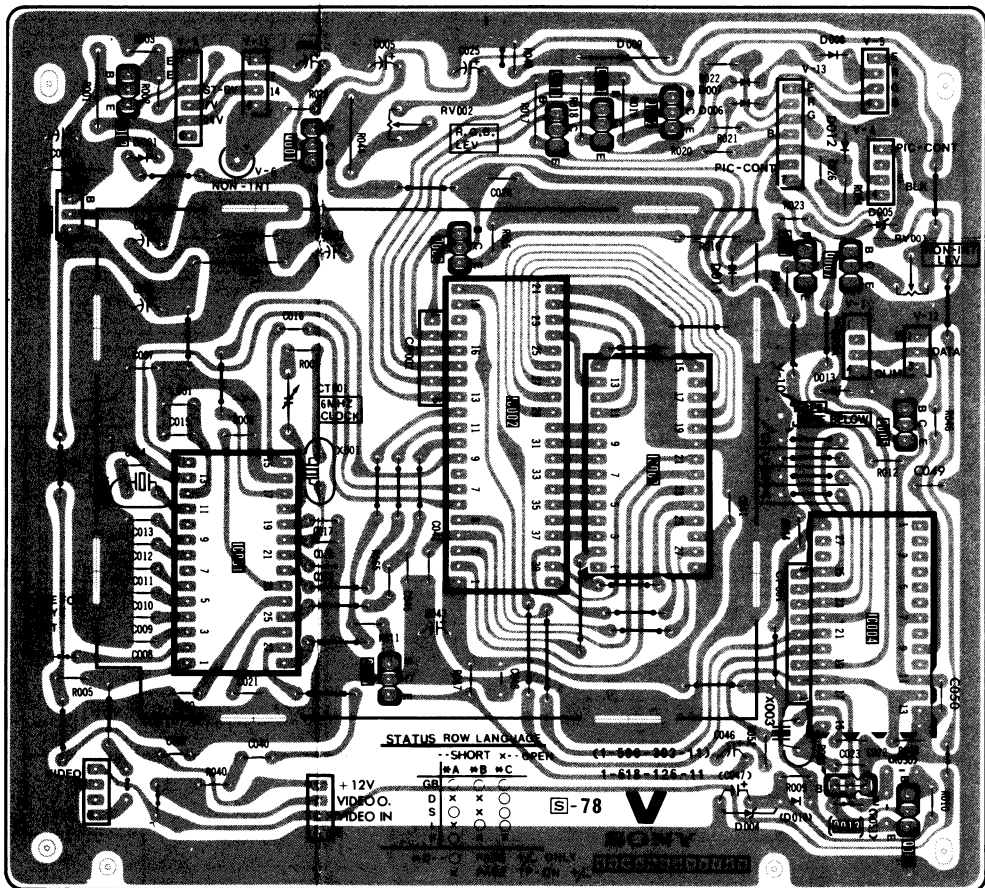
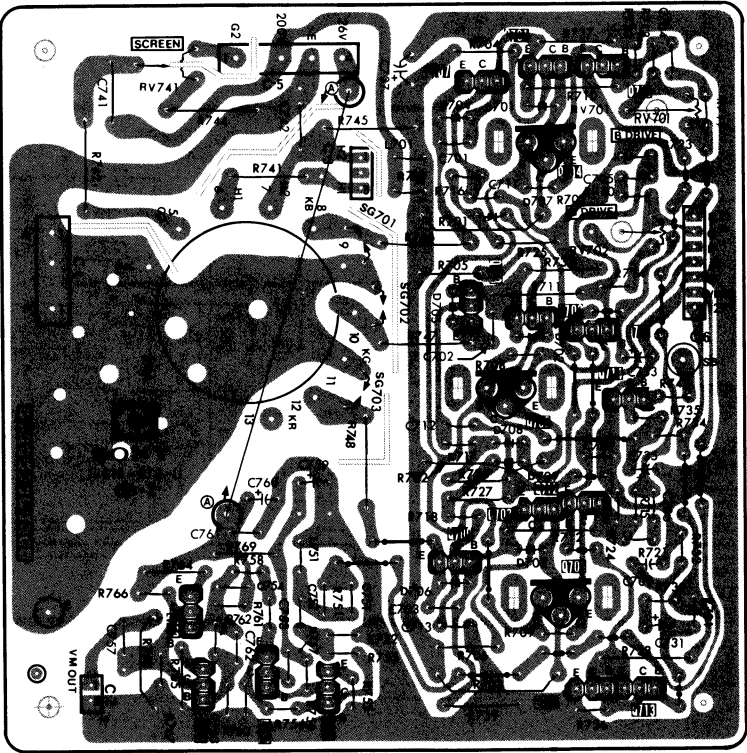
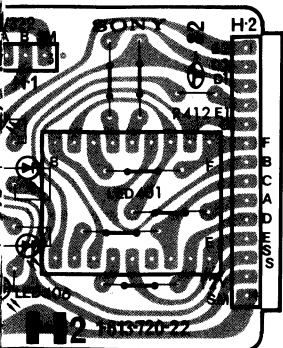
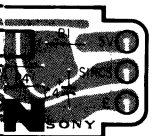
le at pin ⑤ of D-20 connector.

imum 4.20MHz component.

C

[R, G, B OUT]

CONTROL,

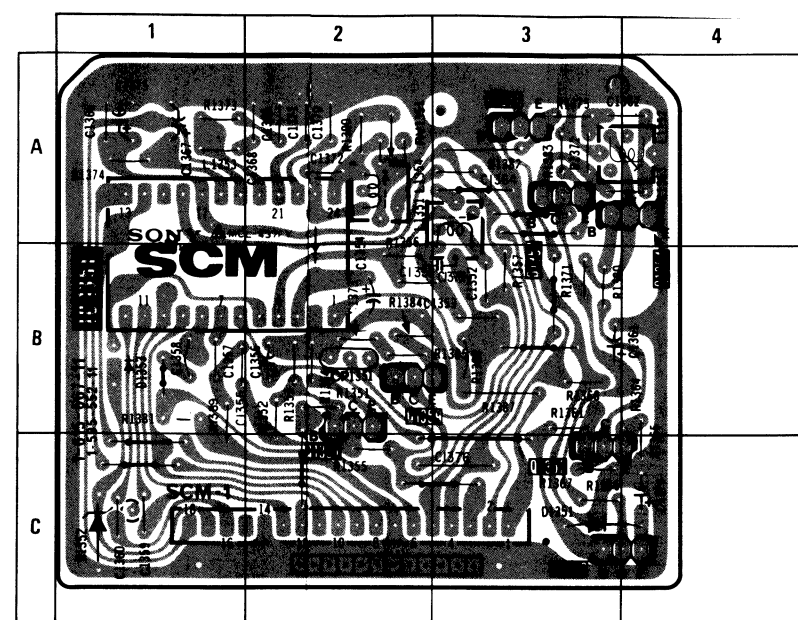




D

CAPACITOR		C313 A-10	C314 A-12	C315 A-11	C316 A-10	C317 A-11	C318 B-11	C319 A-12	C320 C-12	C321 C-12	C322 C-11	C323 D-11	C324 D-12	C325 D-12	C326 D-12	C327 C-11	C328 D-11	C329 C-10	C331 B-11	C332 C-12	C333 B-9	C334 A-10	C336 D-13	C337 E-13	C338 D-13	C339 A-11	C340 C-13	C341 C-12	C342 D-13	C343 D-12	C344 B-9	C346 B-13	C347 B-9	C348 A-12	C350 B-10	C501 I-7	C502 I-7	C503 I-7	C504 I-7	C505 I-8	C506 I-8	C507 J-7	C508 J-8	C509 J-7	C510 J-6	C511 J-5	C512 I-6	C513 I-6	C514 J-6	C515 I-6	C516 F-7	C517 F-7	C518 G-8	C519 E-6	C520 G-8	C521 G-8	C522 F-8	C523 F-6	C524 H-6	C525 F-5	C527 F-5	C528 E-7	C529 I-8	C530 I-5	C531 G-6	C532 H-7	C540 I-5	C543 F-4	C545 I-8	C546 H-6	C551 I-4	C552 H-3	C553 H-4	C801 H-3	C802 I-5	C803 F-1	C804 F-2	C805 F-3	C806 B-1	C807 D-3	C808 D-1	C809 E-1	C810 C-2	C811 B-3	C812 F-2	C813 I-3	C814 G-2	C815 J-4	C816 J-3	C818 E-1	C819 A-2	C821 H-3	C822 H-3	C824 G-3	C825 C-4	C828 G-1	C830 G-4	C017A B-5	D802 F-2	D803 G-2	D804 J-3	D805 G-4	D806 E-1	D807 E-1	R005 A-6	R006 A-6	R007 A-6	R008 A-6	R009 A-6	R010 A-6	R011 A-6	R012 A-6	R013 A-6	R014 A-7	R015 A-7	R016 A-6	R017 B-4	R018 B-7	R020 E-7	R021 B-7	R022 A-8	R023 A-8	R024 B-5	R025 C-7	R026 B-4	R027 C-7	R028 C-6	R029 C-5	R030 C-5	R031 C-6	R032 A-7	R033 C-8	R034 C-8	R035 C-8	R037 B-7	R038 B-7	R039 C-7	R040 B-7	R041 C-7	R042 C-6	R043 C-6	R044 B-6	R045 D-7	R046 B-5	R047 C-5	R048 A-4	R049 D-5	R050 D-6	R052 D-6	R053 D-5	R054 D-6	R056 B-4	R057 C-4	R060 E-6	R061 C-6	R201 I-10	R202 I-10	R203 I-8	R204 J-8	R205 J-8	R206 B-4	R207 G-9	R208 G-11	R209 G-10	R210 G-10	R211 F-9	R213 H-12	R214 G-12	R216 G-12	R217 H-12	R218 J-11	R219 J-10	R220 J-10	R221 H-9	R222 H-9	R228 H-9	R229 H-9	R230 H-10	R231 H-9	R232 I-10	R233 G-9	R234 F-9	R235 F-9	R236 F-9	R237 I-11	R238 G-10	R239 I-10	R240 F-10	R242 G-10	R243 B-8	R244 C-8	R245 F-11	R247 I-11	R248 G-11	R249 I-11	R251 C-9	R252 C-9	R253 C-10	R254 C-10	R255 I-10	R256 I-10	R257 I-10	R278 H-12	R279 H-13	R280 H-12	R281 H-13	R282 G-13	R283 I-11	R284 G-12	R285 F-12	R286 F-13	R287 F-12	R288 G-12	R289 H-12	R297 H-13	R298 F-13	R301 D-13	R302 C-13	R303 C-13	R304 D-13	R305 C-13	R306 C-13	R307 C-13	R308 B-13	R319 A-9	R323 A-12	R324 A-12	R325 E-13	R326 A-11	R332 C-12	R333 F-11	R334 C-11	R335 C-11	R336 D-11	R337 D-11	R338 C-11	R339 C-10	R340 C-10	R341 D-11	R342 B-10	R343 B-12	R344 A-8	R345 C-12	R347 A-10	R348 D-12	R349 D-13	R350 D-12	R351 D-12	R352 C-12	R353 C-9	R354 F-10	R356 A-12	R357 A-11	R358 B-8	R359 C-12	R360 E-12	R362 A-9	R364 B-9	R365 A-9	R366 A-11	R367 B-12	R368 B-12	R369 C-12	R370 C-9	R371 C-11	R373 B-9	R376 B-8	R377 B-8	R378 B-8	R379 A-11	R380 C-13	R381 A-11	R382 E-12	R383 D-12	R385 B-12	R386 B-12	R387 B-12	R390 E-10	R504 I-8	R505 H-8	R506 H-8	R507 I-8	R508 I-7	R509 I-7	R510 J-8	R511 J-7	R512 J-5	R513 J-5	R514 J-5	R515 J-5	R516 J-5	R517 J-6	R520 I-6	R521 H-5	R522 I-5	R523 F-7	R524 F-8	R525 G-8	R526 H-7	R527 G-8	R528 F-6	R529 F-6	R530 H-6	R531 H-8	R532 H-7	R533 H-6	R534 G-6	R535 H-7	R536 F-6	R537 H-5	R538 H-5	R539 I-8	R540 F-8	R541 F-8	R542 E-5	R543 I-5	R544 I-5	R547 F-4	R548 G-6	R549 G-7	R550 I-6	R551 H-4	R552 I-3	R553 H-3	R554 E-8	R555 E-8	R556 F-7	R557 H-6	R558 H-8	R559 H-7	R560 G-7	R571 I-8	R572 I-8	R573 I-8	R574 H-6	R575 D-2	R578 H-7	R581 E-4	R593 H-6	R594 E-7	R595 E-7	R596 E-7	R597 H-7	R598 I-6	R599 G-6	R800 G-4	R801 G-1	R802 J-5	R803 F-1	R804 C-2	R805 G-1	R806 F-2	R807 I-3	R808 I-3	R809 I-3	R810 H-1	R811 I-3	R812 J-3	R813 I-3	R814 G-2	R815 A-1	R817 G-2	R820 D-4	R821 F-4	R825 C-2	R826 C-2	TRANSFORMER	T301 D-11	T801 I-5	T802 J-2	T803 B-3	THERMISTOR	TH501 H-6	CRYSTAL	X301 C-11																																																																																																																																																																																																																																																																																
C001 D-6	C002 A-8	C003 A-7	C004 C-8	C005 C-8	C006 B-7	C007 C-7	C008 D-8	C009 B-5	C010 B-4	C011 B-5	C012 B-8	C015 B-4	C016 D-5	C017 A-4	C018 A-4	C019 C-7	C020 A-7	C022 D-8	C026 D-8	C027 C-5	C201 J-8	C202 I-8	C203 H-10	C204 J-8	C205 B-4	C206 I-8	C207 I-9	C208 H-10	C209 H-10	C210 H-10	C211 G-11	C212 C-9	C213 I-9	C214 I-9	C215 H-11	C216 H-11	C217 H-12	C218 G-12	C219 G-11	C220 G-12	C221 G-11	C222 G-11	C223 J-11	C224 J-11	C225 H-10	C226 H-10	C227 H-10	C228 I-9	C229 G-9	C230 G-9	C231 G-9	C232 I-11	C233 F-13	C234 F-12	C235 J-11	C236 H-13	C237 H-12	C238 C-10	C239 B-10	C240 B-10	C241 I-9	C243 G-9	C244 H-11	C245 G-11	C272 H-13	C273 H-12	C274 G-12	C276 F-12	C277 F-13	C278 I-13	C279 H-12	C280 I-11	C281 G-13	C282 I-13	C283 I-13	C284 H-13	C285 F-13	C288 J-11	C289 J-12	C290 H-13	C291 F-13	C301 C-13	C302 C-13	C303 D-13	C304 C-13	C308 A-13	C309 A-12	C311 B-10	C312 A-10																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
								FILTER		CF001 C-6		CONNECTOR		CN201 J-10		CN202 J-13		CN251 J-12		CN252 J-13		TRIMMER		CV301 C-10		CONNECTOR		D1 A-7		D3 B-8		D4 F-10		D5 H-4		D6 G-12		D7 E-6		D8 D-6		D10 G-3		D12 C-1		D14 B-12		D15 I-12		D16 I-13		D17 I-12		D18 I-11		D19 H-7		D20 E-11		D21 D-8		D22 J-9		D23 E-6		D24 E-7		D27 I-9		D28 I-8		D29 B-2		D30 A-3		D32 D-5		DIODE		D001 A-6		D002 A-5		D003 A-5		D004 B-5		D005 C-8		D006 D-9		D008 B-5		D010 B-5		D061 E-5		D062 D-8		D201 F-12		D205 H-9		D206 G-9		D212 E-9		D213 E-9		D214 E-10		D215 E-10		D216 E-10		D217 E-10		D218 E-10		D219 E-9		D271 F-12		D303 B-9		D304 B-12		D305 B-12		D306 C-11		D307 C-12		D308 B-11		D309 A-11		D312 E-11		D501 J-5		D503 F-7		D504 G-7		D505 F-7		D506 F-8		D507 D-5		D551 H-7		D552 G-8		D553 H-3		D554 H-3		D555 H-6		D801 B-1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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SCM

SCM-KILLER, Y DRIVE,  
PAL-SECAM TRANSCODER

## CIRCUIT ADJUSTMENTS

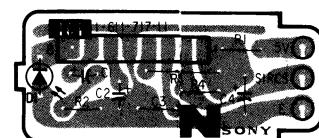
4.20MHz TRAP ADJUSTMENT L1352 = A-4

1. Input the 4.20MHz CW signal at pin ④ of D-20 connector.
2. Connect an oscilloscope at pin ⑤ of D-20 connector.
3. Adjust L1352 for minimum 4.20MHz component.

C

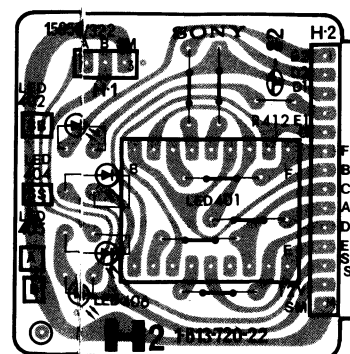
[R, G, B OUT]

N

REMOTE CONTROL,  
HEAD AMP

H2

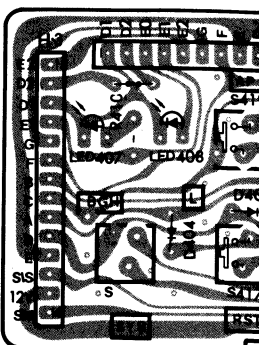
[INDICATOR]



SIF ADJUSTMENT

1. Tune in an off-air signal.
2. Adjust L105 for maximum signal.

H1

INDICATOR,  
CUSTOMER CONTROL

V

[CCT, μ-PROCESSOR]

